# 5.0 Project Funding

## 5.1 Funding

Fiscal Year 2003 through Fiscal Year 2008 funding is to be determined. Fiscal Year 2003 funding required for each of the initiatives can found in Section 4 of this PMP.

## 5.2 Cost Reduction Objective

Changing traditional methods of operations to focus on streamlining, reducing and tailoring requirements to the work being accomplished will result in significant cost reductions, that will enable SRS to accelerate its cleanup program. For instance, through initiatives such as Requirements Based Surveillance and Maintenance, SRS expects to identify activities that exceed minimum essential surveillance and maintenance requirements, which can then be eliminated. Adopting a Closure Facility approach will support efforts to specifically identify requirements that contribute to safe operations in a facility closure mode and eliminate requirements with little added value. Likewise, applying commercial standards to the ways in which SRS conducts its work will result in cost reductions. Applying these kinds of philosophies to the cleanup program will require cooperation among DOE, the Defense Nuclear Facility Safety Board (DNFSB), and the contractor to maximize the opportunities for cost reductions which can be reinvested in cleanup work.

SRS believes that accelerating completion of the cleanup program to as early as 2025 will require achieving cost savings greater than the current contract savings commitment. Completing additional scope by realizing cost reductions over and above current contract savings commitments represents a significant management challenge to the SRS contractor. We believe that, however challenging, these cost reductions can be achieved by maintaining the synergy and momentum that has been built up over the last several years at SRS through an institutionalized cost reduction program, and by implementing the new cost savings strategies discussed above. Through establishment of super-stretch performance-based incentives, the Department of Energy – Savannah River (DOE-SR) will drive realization of these cost reductions to create funding for the completion of the additional unfunded work scope. This concept is now outlined in the existing contract with the contractor, Westinghouse Savannah River Company (WSRC), and specific implementation of this concept to maximize its effectiveness as related to accelerated cleanup is currently the subject of discussions between WSRC and DOE.

## 5.3 Funding Structure

Currently, EM funding received at SRS is split between the Budgeting and Reporting (B&R) Codes for the Site/Project Completion account (~35%) and the Post-2006 Completion account (~65%). This funding allocation, while difficult, is not unmanageable in an environment of relative stability in work planning and execution. However, this accelerated cleanup proposal is inherently dynamic. Optimum work scope execution is predicated on flexibility to align funding against initiatives which provide the most lucrative payback in terms of risk reduction and life-cycle cost reduction. As in any major project endeavor, changes will be necessary to maintain and optimize this payback. The consolidation of EM funding at SRS into a single account would provide the necessary flexibility to achieve this optimization. Without this consolidation, maximum work scope execution is potentially jeopardized, since any realignment of funding would require formal reprogramming actions, consuming valuable time which could be better used in actual work execution.

Additionally, a significant element of the SRS cleanup proposal revolves around waste processing. This element includes the Waste Removal Line Item, a formal line item approved by Congress with associated funding. Further flexibility would be provided to facilitate maximum work execution if this line item were shifted from a formal capital line item to a cost project. This shift would provide operating funding for waste removal, allowing realignment of funding between ongoing operations and the project as necessary to achieve maximum performance.

# 6.0 Project Management Approach

The Department of Energy Headquarters (DOE-HQ) and the Department of Energy-Savannah River (DOE-SR) agree to achieve the safe, accelerated risk reduction and cleanup of the Savannah River Site (SRS) by 2025 through the implementation of the Strategic Cleanup Reform Initiatives. This agreement will necessitate a formal revision to the site baseline and the implementation of management changes to ensure the successful achievement of the baseline goals. These management changes include, but are not limited to:

- Continued re-alignment/restructuring of the DOE-SR Field Office to facilitate contractor interfaces in a manner that supports achievement of the accelerated cleanup plan.
- Assuring Human Resource goals and objectives for the DOE-SR office as specified in the 5-Year Staffing Management Plan are met.
- Assuring prompt resolution of contractor skills mix and related workforce management issues
- Continuing to strengthen Federal and contractor project manager capabilities and related project management systems.
- Development of an aggressive acquisition strategy to assure contractual breakthroughs in performance in ongoing and future contracts inclusive of appropriate contractor incentives and use of competitive contracting techniques.
- Aligning performance monitoring, measuring, and reporting systems to conform with Government Performance Results Act (GPRA) expectations particularly with respect to the accelerated clean-up initiatives described in this plan.
- Assuring management and control systems are in place to effectively maintain minimum essential requirements.
- Reducing the number of budget control points through consolidation/collapsing of Environmental Management's (EM) appropriation structure, preferably to a single appropriation. This would also include re-defining what constitute reportable and controllable line item construction projects within Congressional appropriations.
- Streamlining, tailoring, and/or waiving certain DOE Order requirements that are inapplicable or inappropriate for "closure" activities at the site.
- Maintaining a strong commitment to the re-engineered regulatory Core Team approach for cleaning up legacy waste sites and groundwater units.

## 6.1 Performance Monitoring Process

DOE-SR will develop and implement a predictable, reliable, and performance-based oversight and assessment process to manage the contract and EM projects. This process will ensure that progress is reported against the target case baseline (technical, scope, cost, schedule, and key performance metrics) and facilitate management of the contract and open communications of progress and issues among DOE-SR, DOE-HQ, and the contractor. The contractor will report status consistent with the requirements of the assessment process on a schedule agreed to with DOE-SR to provide early warning of issues that could threaten the successful completion of the accelerated cleanup goals and provide reliable and timely information to DOE-HQ. While formal reporting schedules will be established, it is critical that issues are openly communicated, as they become known, to allow for early action to mitigate their impact. DOE-HQ will conduct periodic progress and issue reviews to ensure mutual understanding of status and to provide the support required for the successful accomplishment of accelerated cleanup goals. Key measurable elements in the performance monitoring process are scope (as reflected by the Performance-Based Incentives [PBIs]) and Performance Metrics, schedule (as reflected in the EM Integrated Life Cycle Critical Path Schedule), and cost (budget baseline versus actual cost).

Accomplishment of the key elements is directly attributable to the contractor's management ability to successfully achieve the results specified in the contract performance baseline statements of work as defined in the verified Contract Performance Baseline Documents and Work Authorization Documents.

#### 6.1.1 Reporting and Evaluation Activities

**PBIs** - The annual and multi-year PBIs under the SRS operating contract are an integral part of the contract performance baseline and represent the accomplishment of the primary site work that is most essential to these missions. It is recognized that **all** of the work under this contract, not only that subject to objectives measured under a specific PBI, will be performed to an acceptable standard. Compliance with Environment, Safety and Health (ES&H) requirements is a precondition of operations and of earning all fees under the contract.

PBIs are negotiated to include measures of the accomplishment of performance metrics and scheduled objectives within the contract performance baseline and are approved by the Head of the Contracting Authority (HCA).

**Performance Metrics** – Key multi-year performance metrics will be negotiated and formally incorporated into the contract performance baseline. These metrics are an integral part of the contract performance baseline, their accomplishment is measurable, and they represent the accomplishment of the work that is most essential to achieving the PBI goals. Negotiation and control of the Performance Metrics will be at the DOE-SR Assistant Manager (AM) level of authority.

**EM Life Cycle Integrated Schedule** – The contractor will prepare and maintain an EM Integrated Life Cycle Schedule. The schedule will be a logic diagram that depicts key activities, key internal SRS interfaces, key external (DOE Complex, regulators, etc) interfaces, milestones, and the logic necessary for accomplishing the risk reduction goals. The schedule will be prepared with the SRS standard scheduling software and will have the capability for "what if" exercises that are necessary for developing

working options should the baseline logic and assumptions change. All cost estimates, PBIs, and performance metrics will be based on the EM Integrated Life Cycle Schedule. Approval and control of the schedule will be at the AM level of authority.

**EM Baseline Cost** – The cost estimates reflect the accomplishment of the accelerated risk reduction goals as represented by PBIs, performance metrics, and the EM Integrated Life Cycle Schedule. It is recognized that the estimates for the planned work are greater than the expected funding. Accordingly, it is expected that the contractor will implement cost reductions and operational efficiencies to close this gap. Significant cost reductions have been assumed in the Cleanup Reform account funding request to support the SRS strategic initiatives to accelerate cleanup.

### 6.1.2 Roles and Responsibilities

**Savannah River Operations Office** – DOE-SR will implement management systems, processes, and oversight techniques that ensure rapid response to issues. In its site management capacity, DOE-SR will:

- realign, restructure and focus contracts and incentives that drive performance to deliver the accelerated cleanup plan;
- develop and implement a predictable, reliable, and performance based oversight and assessment process to manage the contract;
- enhance contract management (manage the contract, not the contractor);
- ensure that all interactions with the contractor add value in achieving safe, accelerated risk reduction; and
- reform SRS internal business processes to ensure DOE cost-effectively supports and drives accelerated risk reduction and cleanup.

**DOE Headquarters** – In its capacity as the highest review and approval authority, DOE-HQ will:

- conduct timely progress and issues reviews to ensure mutual understanding and support for the successful accomplishment of the accelerated cleanup goals; and
- facilitate cross-site benchmarking to share best practices.

**SRS Contractors** – Contractors are responsible for developing the work plans and estimates required to accomplish the Cleanup Reform risk reduction goals and execute the work as planned. In the role of performer, the contractors will:

- maintain schedule status and report progress and issues against the schedule activities:
- report performance against negotiated PBIs and performance metrics;
- report cost against approved budgets and funding levels; and
- · maintain records of all savings and cost reductions.

## **6.2 Configuration Control**

DOE-SR and its contractors have implemented accepted, proven, and cost-effective techniques for baseline management and control. SRS's project management process ensures that appropriate levels of control are applied to operating and traditional capital projects. The Management Control System (MCS) process is driven by the EM

Strategic Plan objectives and constrained by the operating contract. Baselines are developed as an integral part of the EM planning, budgeting, execution, and reporting process. The project management requirements of DOE Order 413.3 are applied to traditional capital projects and Environmental Restoration (ER) projects on a "graded approach" (i.e., Complex Line Items have more restrictive requirements, capital equipment and ER projects are less restrictive). For operating activities and site overhead, the order requirements serve as the basic guidelines for management and control. Accelerated Cleanup Initiatives and associated key performance metrics will be incorporated into the existing baselines by formal change control.

#### 6.2.1 Baseline Management

SRS multi-year technical, scope, schedule, and cost baselines have been established for the contract performance period by Project Baseline Summary (PBS). For management, control, and integration of scope, schedule and cost, the PBS structure is consistent with the Life Cycle Asset Management (LCAM) model for design and construction, operations, deactivation/cleanup (disposition), and post-disposition long-term surveillance and monitoring (Long Term Stewardship). For EM, the Contract Performance Baseline represents the period of FY01 through FY06 of the EM life cycle baseline retained in the Integrated Planning, Accountability, and Budgeting System (IPABS). The contract performance baselines are documented on the Contract Performance Baseline documents and were verified and approved by DOE-SR. The annual execution plan is the execution year slice of the contract performance baseline and is documented in the annual Work Authorizations that are used for technical scope approval.

Operating and traditional capital project baseline quality is characterized by project phases per guidance in DOE Order 430-1. Of particular importance is the recognition of estimate quality. As with any project, the estimate confidence increases as the scope is better defined and implementation proceeds. The Accelerated Cleanup Program Initiatives and the life cycle PBSs contained in the SRS life cycle baseline are in varying project phases, ranging from conceptual to definitive. Therefore, the estimate quality and confidence ranges accordingly. The contract performance baseline was verified and approved by DOE-SR and serves as a sound basis for work authorization and performance measurement. The integrity of the baseline is maintained through formal change control as technical, scope, cost, and schedule baseline changes are identified, cost savings initiatives are implemented, or funding assumptions change. The approved Strategic Initiatives will also be incorporated into the contract performance baseline and the EM life cycle estimate.

## 6.2.2 Change Control

The change control process is based on a graded approach to implementing project control requirements of DOE Order 413.3 and the IPABS life cycle baseline change control requirements.

Changes to the contract performance baseline and to PBIs are controlled through a formal change control process that ensures that changes are authorized at the same level of authority that initially authorized the baseline or PBI. Baseline cost reductions are also documented through the Baseline Change Control Process to provide an audit trail for cost improvement initiatives as required by the contract. Targeted crosscutting cost reductions are reflected in the contract performance baseline for all programs. As

specific cost reduction initiatives become firm, change control is executed to reduce the estimated cost or to establish a management reserve.

The contractor has established change boards that have been assigned levels of approval authority based on change thresholds and/or contractual authority. This approach ensures that changes can be addressed rapidly without compromising control.

The contract performance baseline is change controlled on an as required basis (i.e., as driven by project scope changes, cost reduction, program realignment, etc.). However, the baseline must also be change controlled on an annual basis to define the annual execution plan for Work Authorization and to expand the performance baseline by an additional year utilizing the "rolling wave" approach for long-term planning. Approval of the annual Work Authorization by DOE-SR provides technical authorization to perform the work.

#### 6.2.3 Roles and Responsibilities

**Savannah River Operations Office** – DOE-SR will manage the development of an integrated life cycle baseline that completes accelerated risk reduction and cleanup by the Performance Management Plan (PMP) dates and the associated critical path schedule that articulates key decisions, major milestones, significant known barriers, funding requirements, and responsible parties. In its site management capacity, DOE-SR will:

- allow the contractor workforce management flexibility in accordance with reducing costs and meeting the goals outlined in the PMP;
- restructure and realign the Federal workforce, as necessary, to support the PMP;
- support and stay the course on implementing safe mission essential/tailored requirements;
- avoid or prevent any expansion in the scope baseline, mission, or requirements for the SRS EM Program that is inconsistent with achieving safe, accelerated cleanup;
- reform SRS internal business processes to ensure DOE cost-effectively supports accelerated risk reduction and cleanup;
- ensure National Environmental Policy Act (NEPA) reviews and Records of Decision are completed in a cost-effective, technically based manner that supports timely decision-making by DOE senior management and the accelerated cleanup actions at SRS.
- proactively work with regulators, oversight groups, the State of South Carolina, and other stakeholders to resolve issues;
- work with DOE-HQ to assure that all actions requiring to support decisions beyond local control are delivered on a timely basis, so as not to impact the 2025 schedule;
- work with DOE-HQ to obtain the policy changes necessary to support completion of the SRS EM Program by 2025;
- assist with cross-site integration and in obtaining required approvals to meet the objectives of cleanup reform and site integration; and,
- satisfy agreed upon multi-year funding commitments via the DOE-HQ budget allocation process.

**DOE Headquarters** – In its capacity as the highest review and approval authority, DOE-HQ will support the successful accomplishment of the accelerated cleanup goals through:

- provide active assistance in overcoming barriers and obstacles to expedite accelerated risk reduction and clean up including proactive and prompt closure on issues and proposed work in areas such as safeguards & security, contracts, incentives, oversight, authorization basis, budget issues, policy changes, etc; and
- satisfy agreed upon funding commitments to SRS and establish a flexible appropriation structure.

SRS Contractors – Contractors will support DOE-SR in developing an integrated life cycle baseline that completes accelerated risk reduction and cleanup as early as 2025 and the associated critical path schedule that articulates key decisions, major milestones, significant known barriers, funding requirements, and responsible parties. In performing the scope to achieve accelerated risk reduction, contractors will: actively seek ways to reduce cost and risk to deliver results contained in the performance baseline; bring in best-in-class management practices, lessons learned, and closure project management techniques to SRS; manage the workforce to ensure delivery of the PMP objectives; rapidly notify DOE-SR of work issues that require DOE support or action to resolve; proactively work with regulators, oversight groups, the State of South Carolina, and other stakeholders to resolve issues; and commit to ongoing implementation of Integrated Safety Management and continued excellence in safety performance.

## 6.3 Risk Management Process

Application of a disciplined risk management process is required for SRS to achieve success in expediting the cleanup program. The SRS risk management approach uses a structured, formal process to define risk and develop specific plans to control and/or mitigate the risk to an acceptable level. In general, risk management is considered from a cross-cutting programmatic perspective and project specific perspective.

In the project management arena, SRS has developed a rigorous risk management process reflected in processes and procedures that make risk management an integral part of SRS's project and task management. Risk and opportunity identification, including technical risk, is done early in the project process and continues throughout all the major phases. The results are documented and the risks are then quantified and included in a Risk and Opportunity Management Plan. This plan enhances the opportunities and reduces the threats on SRS project and task objectives. Risk monitoring and control is an ongoing process continued throughout the life of every project and task. All risk identification, mitigation and management activities and handling strategies are documented and managed in accordance with Westinghouse Savannah River Site (WSRC) Manuals E-7 and E-11. This ongoing process helps to ensure that technical risks are mitigated, minimizing cost and schedule impacts to each project and task.

Key prerequisites and assumptions for each Strategic Initiative have been identified in Section 4. SRS will develop specific risk management plans for each of the initiatives to increase the probability of SRS achieving EM completion by 2025. SRS's implementation of this risk management process increases confidence in each project's success by up-front and proactive consideration of key technical and project execution risks.

#### **Cross-Cutting Programmatic Risks**

Accelerating the SRS cleanup to 2025 requires various assumptions, as discussed in Section 2 of the PMP and in each of the strategic initiatives in Section 4. This section contains key cross-cutting programmatic risks, the impacts of these risks and mitigation strategies to address the risks.

Cross-cutting programmatic risks can be generally categorized as 1) risks associated with integrated baseline management (cost, schedule, scope, resources), and 2) risks associated with regulatory and institutional uncertainties. SRS cleanup programmatic risks are managed at the contractor, project, and senior DOE levels. The programmatic risk management approach is focused on identifying, analyzing, prioritizing, and mitigating these overall categories of programmatic risks as discussed below. SRS will use a cross-cutting risk management list to monitor management of selected high-priority baseline activity risks and organizational risks. More specific cross-cutting approaches to the two principal categories of programmatic risk are briefly discussed below.

#### **Integrated Baseline Management Risks**

Several parallel efforts are currently underway to reduce baseline management uncertainty and risk. For example, an integrated SRS cleanup schedule has been developed to determine and manage the overall site critical path to closure (Section 8). Included are key decision points that have the potential to interrupt the critical path cleanup activities. Organizational responsibilities for key activities and decisions at the federal and contractor levels have been established (Section 9). Monthly meetings with key federal and contractor personnel will identify and maintain a focus on resolving the high-impact issues. Based on DOE staff and contractor input, SRS will continually identify key issues and assign responsibilities and monitoring points to ensure successful issue resolution. Minimizing our risk posture may require re-sequencing activities, performing work more efficiently, aligning our business practices, improving contracts and incentives, making tough decisions, and in some cases accepting risk to gain the benefit of more advanced cleanup and waste processing approaches and technology than would have otherwise been used.

#### Stakeholder, Regulatory and Institutional Risk Management

Implementing decisions that stick is dependent on early stakeholder participation in decision-making including reaching agreement with regulatory bodies on cleanup strategies and specific technical solutions. SRS will build on its established processes for stakeholder involvement, including the SRS Citizens Advisory Board, to insure all affected stakeholders have an opportunity for input into the decision making process. DOE and SRS regulators are committed to continuing the current open and collaborative process to implement sound, appropriate and cost-effective cleanup. This process has been instrumental in selection of remedies that meet regulatory requirements at reasonable cost, especially through utilization of innovative technical approaches. SRS will also engage the Defense Nuclear Facilities Safety Board early in the planning and technical decision making cycle to address technical and safety concerns. Through engagement of these stakeholders early in the project cycle, issues can be identified and addressed in a way that minimizes risk to meeting overall project objectives.

#### **Currently Identified Cross-Cutting Programmatic Risks**

Specific cross-cutting programmatic risks, which have been identified for formal risk management, are discussed below. Clean-up acceleration impacts and potential mitigation strategies are discussed for each specific risk. These will be further developed as the SRS accelerated clean-up reform project is implemented.

• Funding is not provided in the amounts or on the schedule requested.

Impact: Schedule acceleration and associated EM cost reductions will be jeopardized.

**Mitigation Strategy:** The project execution strategy would have to be adjusted to accommodate lack of confidence in funding. Three different strategies will be pursued to avoid or reduce the impacts:

1) Obtain at least a 2-year funding commitment

While the stated funding profile is required to optimize schedule acceleration and maximize savings, if DOE-HQ can commit to at least a rolling 2 year funding assurance, work activities could be realigned to reduce the impacts of any single year funding shortfall and provide more efficient project execution. This strategy would require a firm commitment to provide subsequent year funding without reductions for Congressional general reductions, DOE-HQ mandates, or any other "taxes".

2) Establish predetermined priority of Accelerated Cleanup Program initiatives

This strategy would result in an agreed to priority of clean up reform initiatives and clear recognition and understanding that certain work activities would be impacted in the event of funding reductions. This would allow a timely and efficient response to changes in anticipated funding from both a scope and workforce management perspective. For example, the contractor could develop work execution strategies to maximize the use of subcontracted resources on these lower priority activities, providing flexibility in resource management without significant workforce restructuring impacts.

3) Consolidation of Budgeting and Reporting (B&Rs) Codes

Reducing funding sources B&Rs to a single element would provide maximum flexibility in re-aligning funds to the most lucrative work activities in terms of schedule acceleration and life-cycle cost reductions. The Fiscal Year 2004 (FY04) Outyear Budget submittal will include a proposal to revise the current PBS structure and associated B&R alignment to better represent the proposed approach and consolidate these PBSs into a single B&R structure.

Cost Reduction Objectives Will Not be Realized

**Impact:** Funding request will be inadequate to achieve program objectives, impacting ability to achieve schedule acceleration and EM cost baseline reductions.

**Mitigation Strategy:** Focus will continue on existing cost effectiveness programs, with additional emphasis on identifying requirements which must change to enable full realization of the Closure Facility approach. Senior management focus will be applied

to monitoring progress on requirements modification, elevating issues to the highest possible levels for resolution if necessary.

#### Cost Estimate Pricing Assumptions

**Impact:** Significant changes in baseline pricing assumptions outside of SRS control, such as escalation rate, cost of subcontract services, Westinghouse Savannah River Company (WSRC) pension contributions, etc., would result in project performance baseline funding requirements being inadequate to achieve program objectives, impacting ability to achieve schedule acceleration and EM cost baseline reductions.

**Mitigation Strategies:** Three mitigation strategies are available that could be taken individually or in combination to address this risk:

- 1) Include project contingency, held by DOE, for pricing changes outside of WSRC control.
- 2) Adjust project performance baseline cost estimates through formal change control and incorporate in annual funding request accordingly.
- 3) Adjust project performance baseline cost estimates through formal change control and adjust activity schedules to stay within established funding request.

# Adjustment of Workforce Skill Mix Consistent with Project Resource Requirements

**Impact:** External constraint on exercising planned, ongoing workforce adjustments for full service employees (consistent with DOE policy), may result in an increase in project execution cost and/or delay in project schedules.

**Mitigating Strategies:** Three mitigation strategies are available that could be taken individually or in combination to address this risk:

- 1) Maximize cost effective re-assignment, re-training, and use of other workforce management options to minimize skill mix issues.
- 2) Leverage use of subcontract personnel, where cost effective.
- 3) Develop multi-year staffing plans to anticipate workforce transitions and facilitate stakeholder communications.

#### Stakeholder and Regulator Confidence in Long-Term Federal Ownership of SRS

**Impact:** Lack of confidence in long-term institutional control of SRS by the Federal Government would limit waste management disposition options and remedy selection for waste site remediation, with potential significant impacts on Clean-up Reform program strategies, schedules and cost.

**Mitigating Strategy:** Congressional designation and/or treatment by DOE of SRS as a National Security Site.

#### . Timely Resolution of Plutonium (Pu) Exit Strategy Issue

**Impact:** Prolonged dispute with the State of South Carolina concerning Pu disposition activities will impact material management baselines and may impact other facets of the Accelerated Cleanup proposal requiring state collaboration.

**Mitigating Strategy:** Maintain open communications with key participants and develop contingency plans for potential programmatic impacts.

Risk Management plans will be developed and updated in a regular and timely fashion to actively identify, quantify, respond to and control the risks associated with achieving accelerated cleanup. These plans will be fundamental tools for SRS program and project managers to continually evaluate the progress SRS is realizing and define ways to maintain progress toward completing the SRS EM Program by 2025.

# 7.0 Key Agreements

The Savannah River Site (SRS) works closely with various oversight groups and regulatory agencies in accomplishing its work. The Site is proud of the established relationships with these external parties and credits the cooperative nature of these relationships with many cleanup accomplishments achieved to date. In addition, the local communities and Congressional, state and local officials typically are very supportive of SRS, understanding well the critical role SRS has played in the past and will continue to play in the cleanup of this Site and the security of the nation.

## 7.1 Regulatory Agencies

There are several key agreements that facilitate the accelerated cleanup of SRS. The Department of Energy (DOE) and its contractors will continue to proactively work with the State of South Carolina, regulators, Defense Nuclear Facility Safety Board (DNFSB), oversight groups, and stakeholders to facilitate the accomplishment of the Cleanup Reform risk reduction objectives and will rapidly address issues or obstacles with the Department of Energy-Headquarters (DOE-HQ) that require DOE support.

The Savannah River Site Federal Facility Agreement (FFA) - The FFA is a tri-party agreement among the DOE, the Environmental Protection Agency (EPA) and the South Carolina Department of Health and Environmental Control (SCDHEC) that governs the environmental remediation and high level waste tank closure program at SRS. The document clearly establishes the roles and responsibilities of the three parties, lays the foundation for timely remediations conducted under the Resource Conservation and Recovery Act (RCRA) and the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), and describes the remediation process and associated priority of environmental remediation projects.

The SRS Site Treatment Plan (STP) - The STP is a document that requires radioactive mixed waste to be treated to hazardous waste standards within an agreed-upon schedule. High-level waste is an example of a radioactive mixed waste. The STP is enforceable by a Consent Order signed by SCDHEC and Department of Energy-Savannah River (DOE-SR). The STP lays out the approaches and schedule milestones

for treating and managing radioactive mixed wastes that are stored or generated at SRS. These treatment approaches and milestones are determined to ensure SRS compliance with RCRA Land Disposal Restriction requirements. The STP was required by the Federal Facility Compliance Act, and is updated annually to include an inventory of all mixed waste, the status of all treatment residuals, an implementation schedule, and projections of new mixed waste streams at SRS or those to be received from offsite into SRS.

#### 7.2 DNFSB

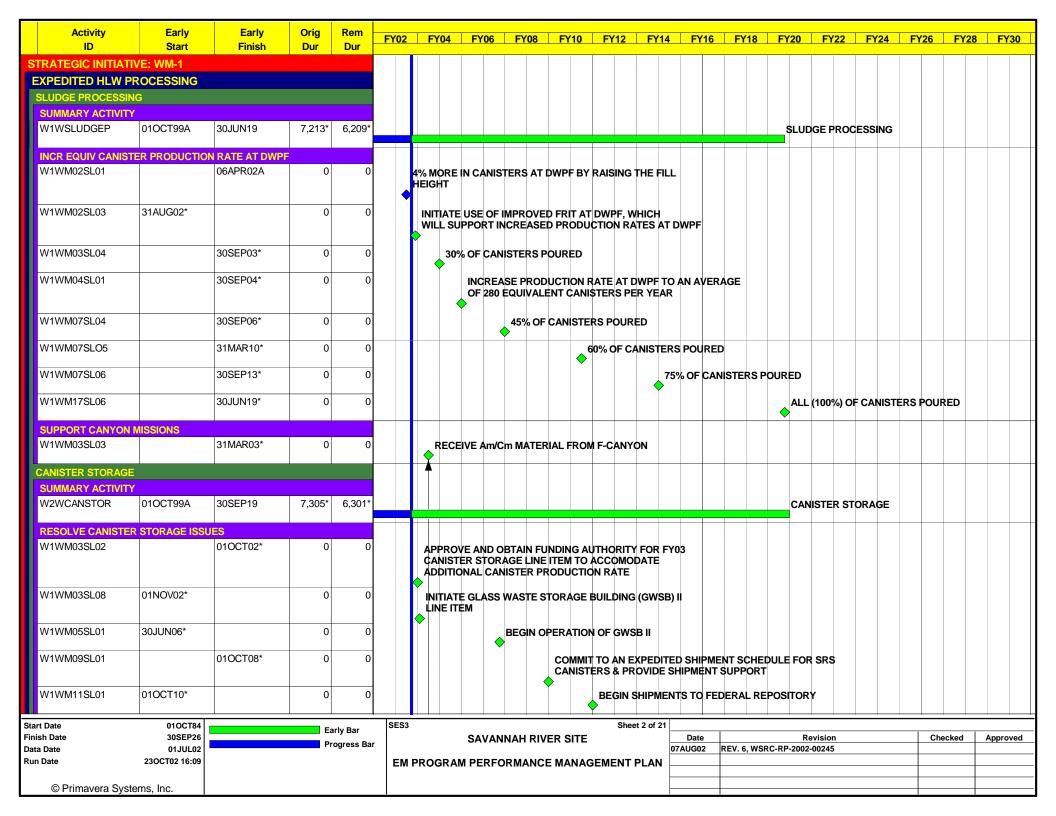
The interface with the DNFSB is managed through implementation plans that can be updated on an as-required basis.

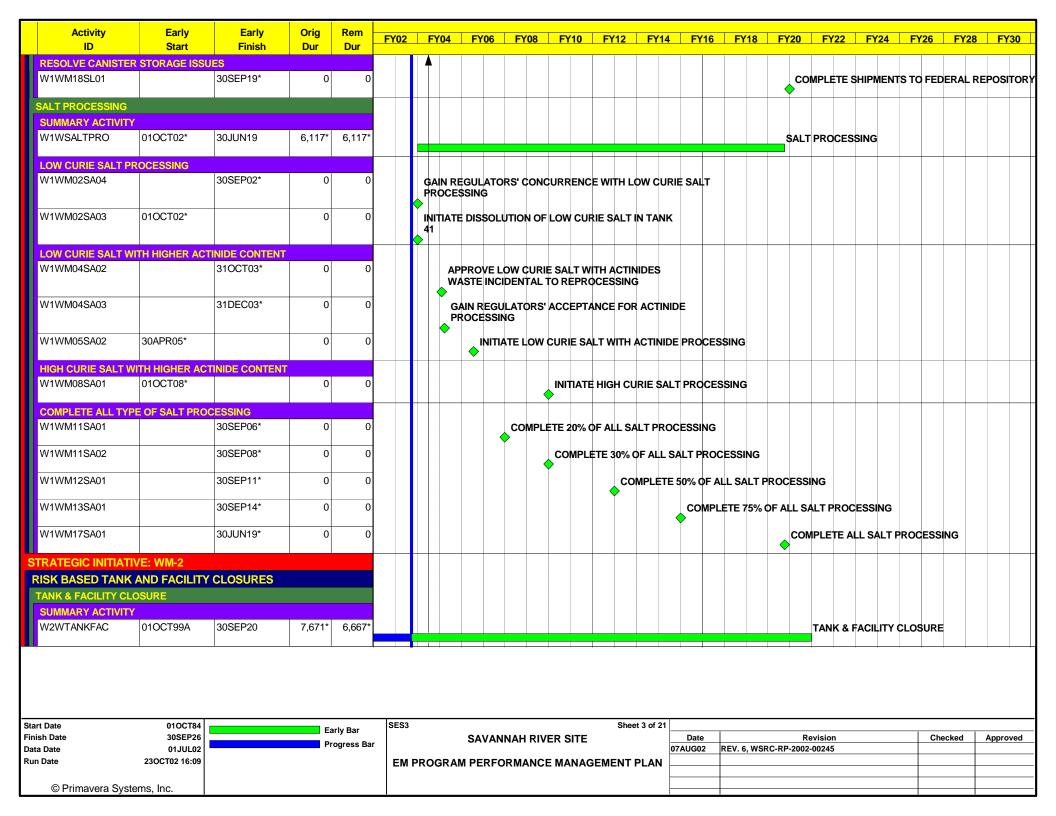
Implementation Plan for DNFSB Recommendations 94-1 and 2000-1 - In response to recommendations made by DNSFB, this plan describes the measures and schedule for stabilization of nuclear materials at SRS and other sites within the DOE Complex. SRS has made much progress against the milestones established in the Implementation Plan and is committed to continue meeting these milestones in a manner that safely manages the nuclear materials to protect the health and safety of our workers and the public. The SRS Accelerated Cleanup initiatives related to nuclear materials management are fully consistent with achieving the Implementation Plan milestones and will enable the Site to continue, and even accelerate, meeting the milestones contained within the Implementation Plan.

## 8.0 Integrated Project Schedule

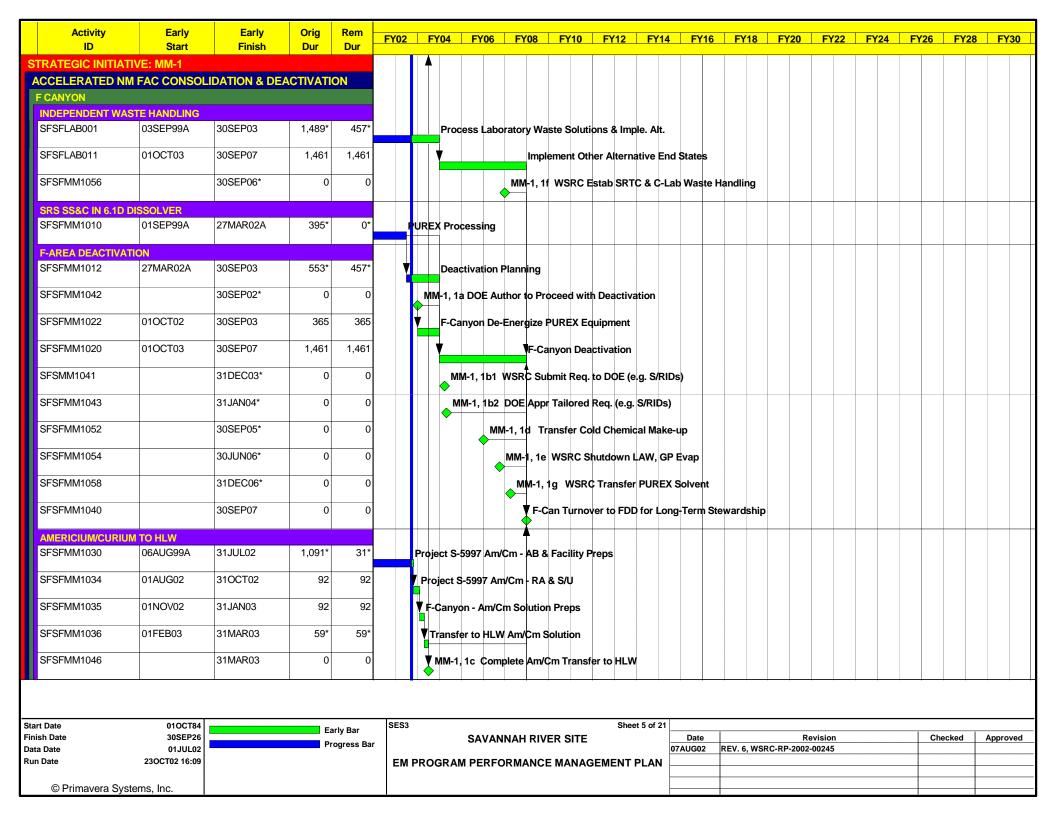
The following detailed Savannah River Site (SRS) Cleanup Reform Vision schedules are organized by each Environmental Management (EM) Program component and depict the milestones critical to completing the SRS EM Program by 2025.

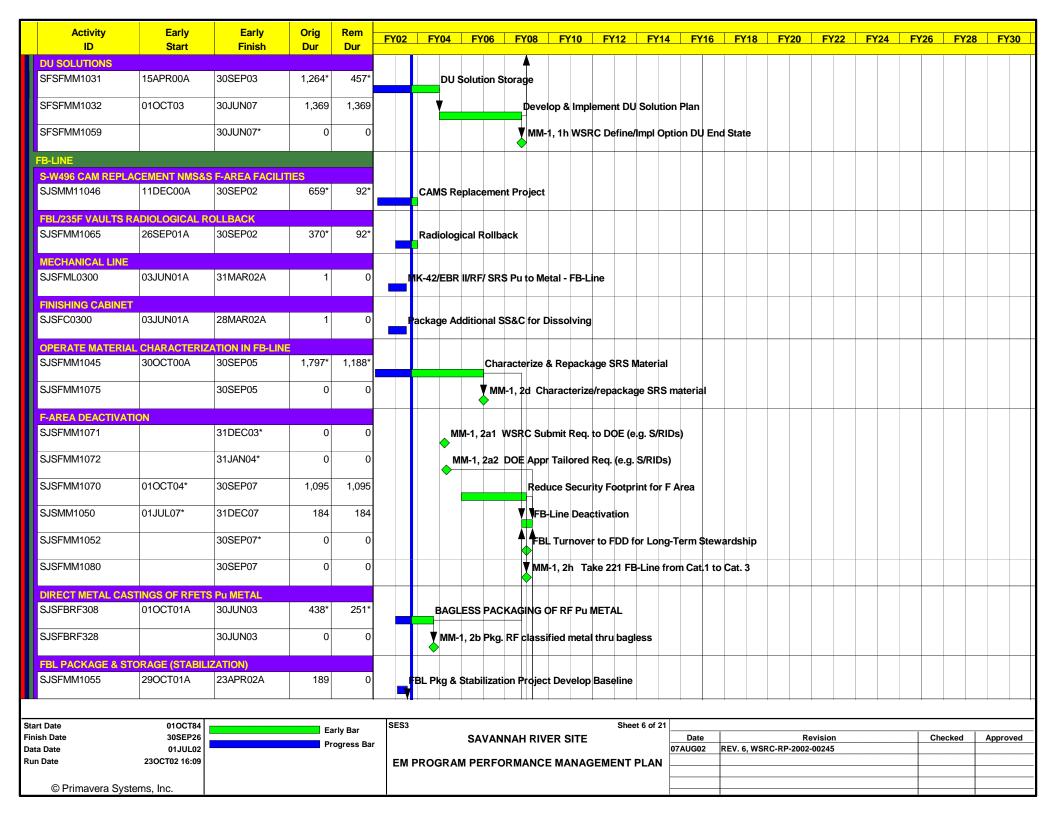
Activity ID	Early Start	Early Finish	Orig Dur	Rem Dur	FY02 FY04 FY06 FY08 FY10 FY12 FY14 FY16 FY18 FY20 FY22 FY24 FY26 FY28 FY
LW - RESOLVE PR	OGRAMMATIC	REQUIREMEN	IT ISSUES		
SUMMARY ACTIVITY	<u>/</u>				
WPWRESPROG	01JUL02*	31MAR04	640*	640*	RESOLVE PROGRAMMATIC REQUIREMENT ISSUES
MODIFY FINANCIAL	SYSTEMS TO SU	UPPORT ACCELE	ERATION		
W1WM02SL02		15JUL02A	0	0	APPROVE MOVEMENT OF MANY ACTIVITIES OUT OF THE WASTE REMOVAL LINE ITEM
W1WM02SL05		31JAN03*	0	0	SUBMIT RECOMMENDED PBS STRUCTURE TO DOE-HQ
W1WM03SL05		30SEP03*	0	0	MODIFY CURRENT PBS STRUCTURE TO ALLOW MORE FLEXIBILITY
W1WM03SL06		30SEP03*	0	0	APPROVE USE OF A SINGLE COLOR OF MONEY
MODIFY DOE 435.1-	KEY RADNUCL,I	NTRUD ANAL. &	WIR		
W1WM02SL04		31JUL02*	0	0	SUBMIT TO DOE-HQ REQUESTED MODIFICATIONS TO DOE ORDER 435.1
W1WM03SL07		31JAN03*	0	0	COMPLETE DOE-HQ APPROVAL OF REVISED DOE ORDER
W2WM04TF02		01DEC03*	0	0	DEVELOP ACCEPTANCE CRITERIA BASED ON THE REVISED DOE ORDER 435.1 FOR DETERMINING WHEN WASTE REMOVAL EFFORTS SHOULD BE COMPLETED ON TANKS
W2WM05TF01		31MAR04*	0	0	OBTAIN REGULATORY CONCURRENCE WITH THE REVISED ACCEPTANCE CRITERIA FOR TANK CLOSURE
MODIFY REQUIREM	ENTS FOR TNK	FRM CLOSURE F	ACILITY		
W1WM03SA01		01DEC02*	0	0	SUBMIT CLOSURE FACILITY PLANS DETAILING MODIFIED REQUIREMENTS
W1WM03SA02		01MAR03*	0	0	APPROVE MODIFIED S/RIDs FOR THE CLOSURE FACILITY
W1WM03SA03		01APR03*	0	0	GAIN DOE-HQ & DNFSB CONCURRENCE
W1WM04SA04	01OCT03*		0	0	IMPLEMENT MODIFIED REQUIREMENTS
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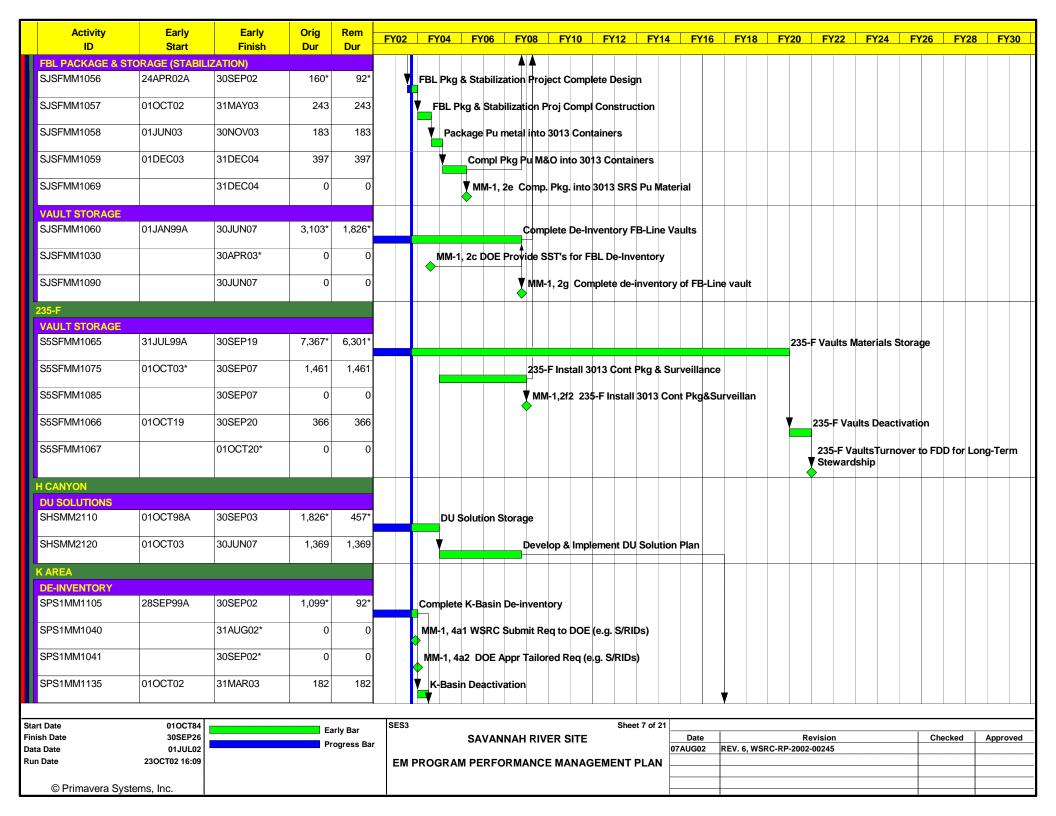


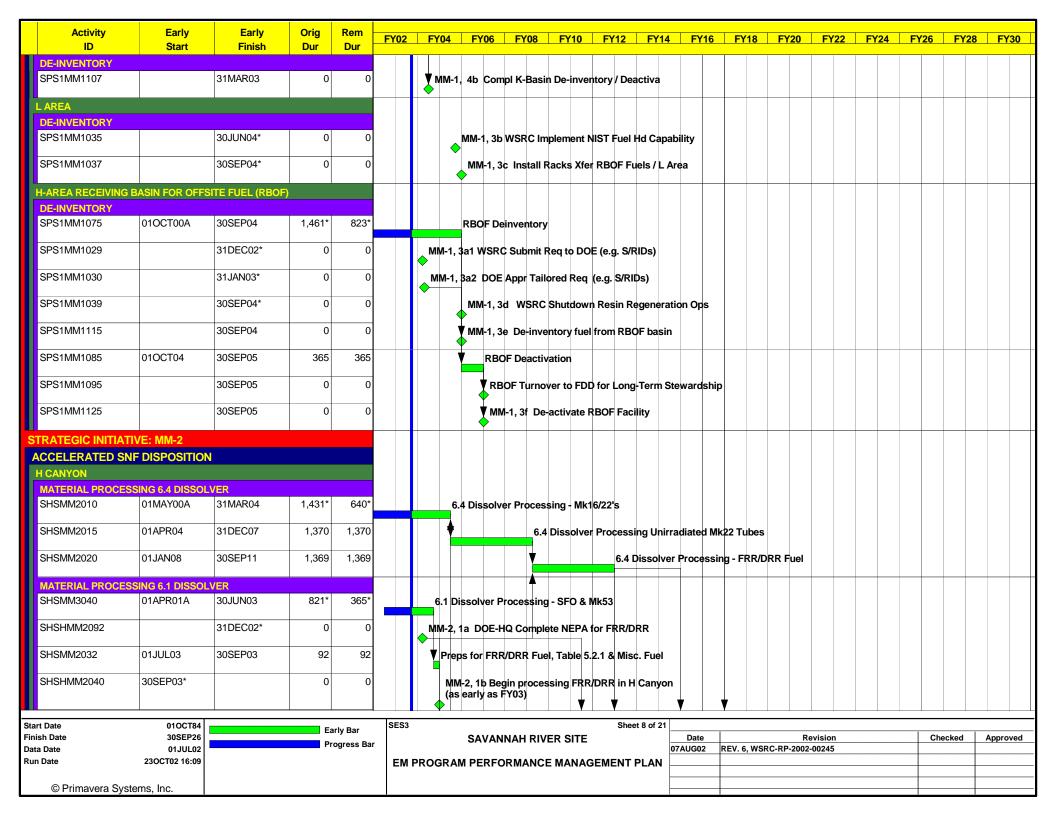


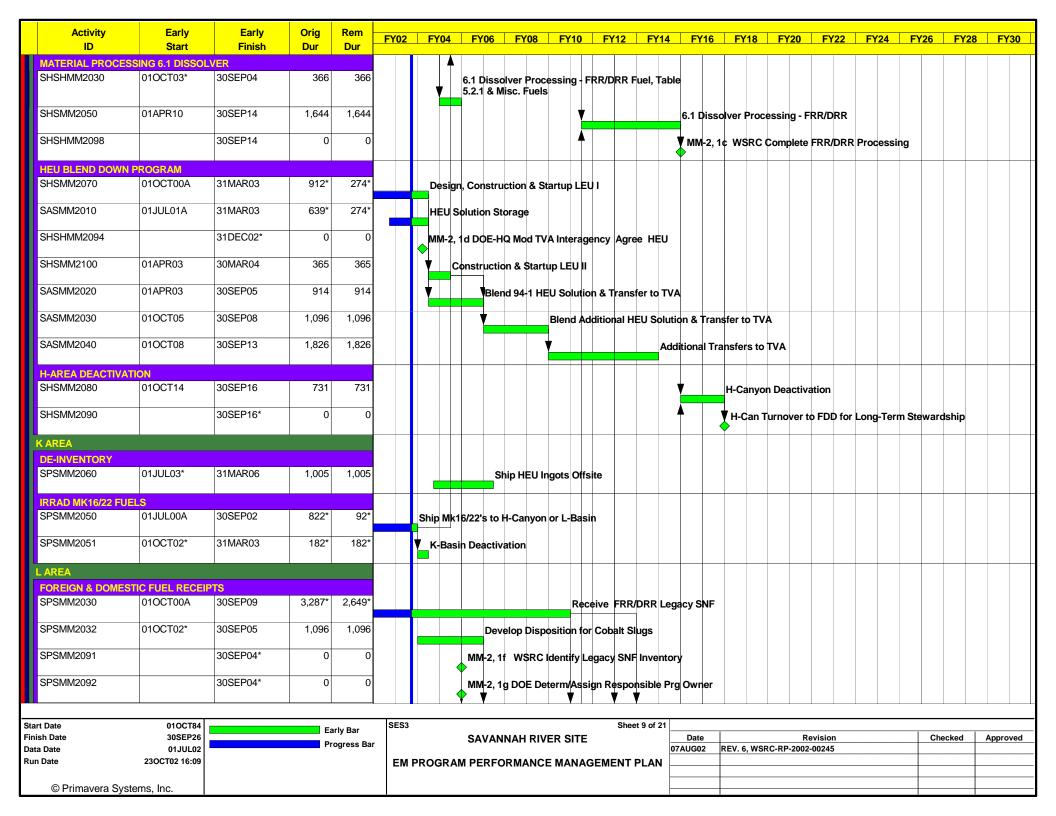
RISK BASED TANK C	Start CLOSURES	Finish 30JUN02A	Dur	Dur	
W2WM02TF01		30JUN02A			
\\\/2\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\			0	0	GAIN SCOHEC AND EPA APPROVALS TO DEFER THE CLOSURE OF TANK 19 UNTIL THE CLOSURE OF TANK 18 IS READY, SO THESE TWO TANKS CAN BE CLOSED AS A GROUP
VV Z V V IVIUZ I FUZ		31JUL02*	0	0	ISSUE TANK CLOSURE EIS RECORD OF DECISION
W2WM02TF03		30SEP02*	0	0	SUBMIT TANK 19 CLOSURE MODULE TO SCOHEC
W2WM02TF04		31DEC02*	0	0	OBTAIN SCHEC APPROVAL OF THE TANK 19 CLOSURE MODULE
W2WM20TF07		30MAY03*	0	0	SUBMIT TANK 18 CLOSURE MODULE TO SCOHEC
W2WM20TF09		30AUG03*	0	0	OBTAIN SCOHEC APPROVAL OF TK 18 CLOSURE MODULE
W2WM04TF01		30JUN04*	0	0	COMPLETE THE FIRST TANK GROUP CLOSURE (TANKS 17-20)
W2WM08TF01		30SEP08*	0	0	SUBMIT CLOSURE PLANS FOR TANKS 1-8 TO SCOHEC
W2WM09TF01		31MAR09*	0	0	OBTAIN SCOHEC APPROVAL OF THE TANKS 1-8 CLOSURE PLANS
W2WM09TF02	30APR09*		0	0	INITIATE CLOSURE ACTIVITIES FOR TANKS 1-8.
W2WM11TF01		28MAR11*	0	0	COMPLETE THE SECOND TANK GRP CLOSURE (TANKS 1-8)
W2WM11TF02		31MAR12*	0	0	COMPLETE 25% OF ALL TANK CLOSURES
W2WM13TF01		30SEP14*	0	0	COMPLETE 50% OF ALL TANK CLOSURES
W2WM15TF01		30SEP16*	0	0	COMPLETE 75% OF ALL TANK CLOSURES
W2WM18TF01		30SEP20*	0	0	CLOSE ALL TANKS
RISK BASED FACILIT W2WM03TF01	TY CLOSURES	31JAN04*	0	0	DESIGNATE SRS AS A LONG-TERM NATIONAL SECURITY SITE WITH LONG-TERM MONITORING COMMITMENT
W2WM10TF01		30SEP10*	0	0	DEVELOP STRATEGY FOR COMPLETING FACILITY CLOSURES AFTER THE DESIGNATION OF SRS AS A LONG- TERM SECURITY SITE IS COMPLETED AND MODIFICATIONS TO DOE ORDER 435.1 ARE COMPLETED
W2WM11TF03	30JUN19*		0	0	INITIATE PROCESSING FACILITY CLOSURES
W2WM20TF05		30SEP20*	0	0	COMPLETE PROCESSING FACILITY CLO
t Date	01OCT84				SES3 Sheet 4 of 21
sh Date	30SEP26			ly Bar gress Bar	SAVANNAH RIVER SITE Date Revision Checked App
a Date Date	01JUL02 23OCT02 16:09		Frog	yı cəə Dai	EM PROGRAM PERFORMANCE MANAGEMENT PLAN
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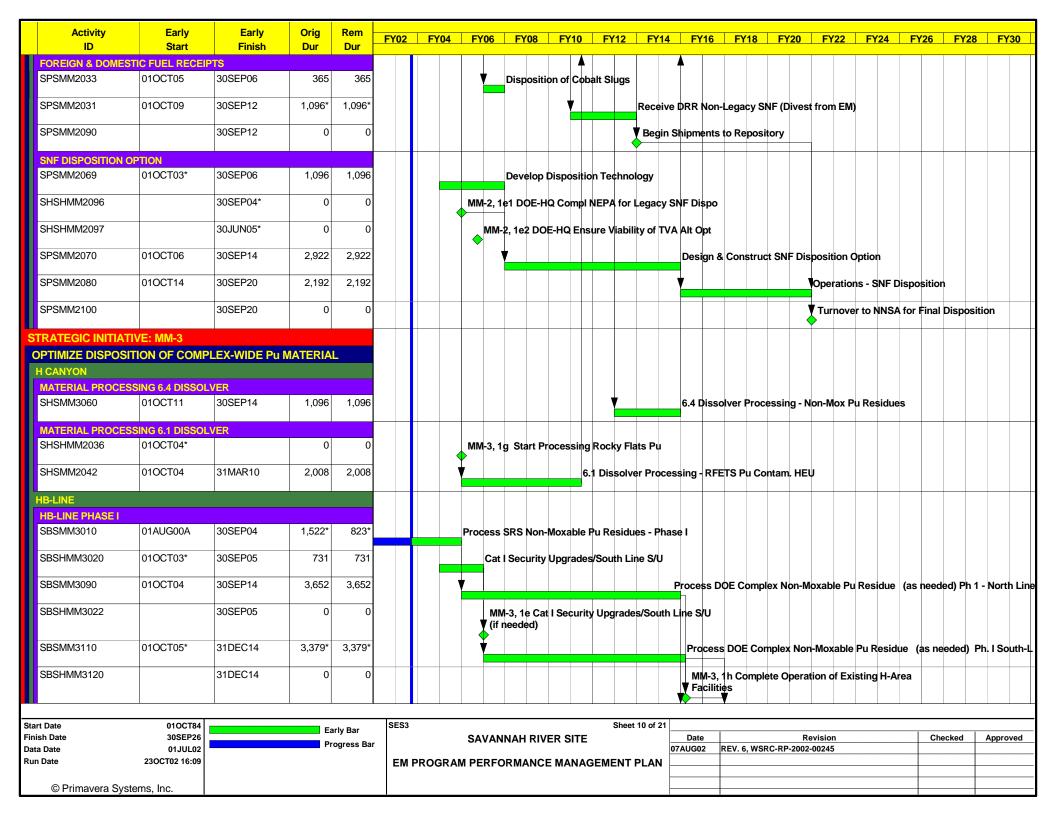


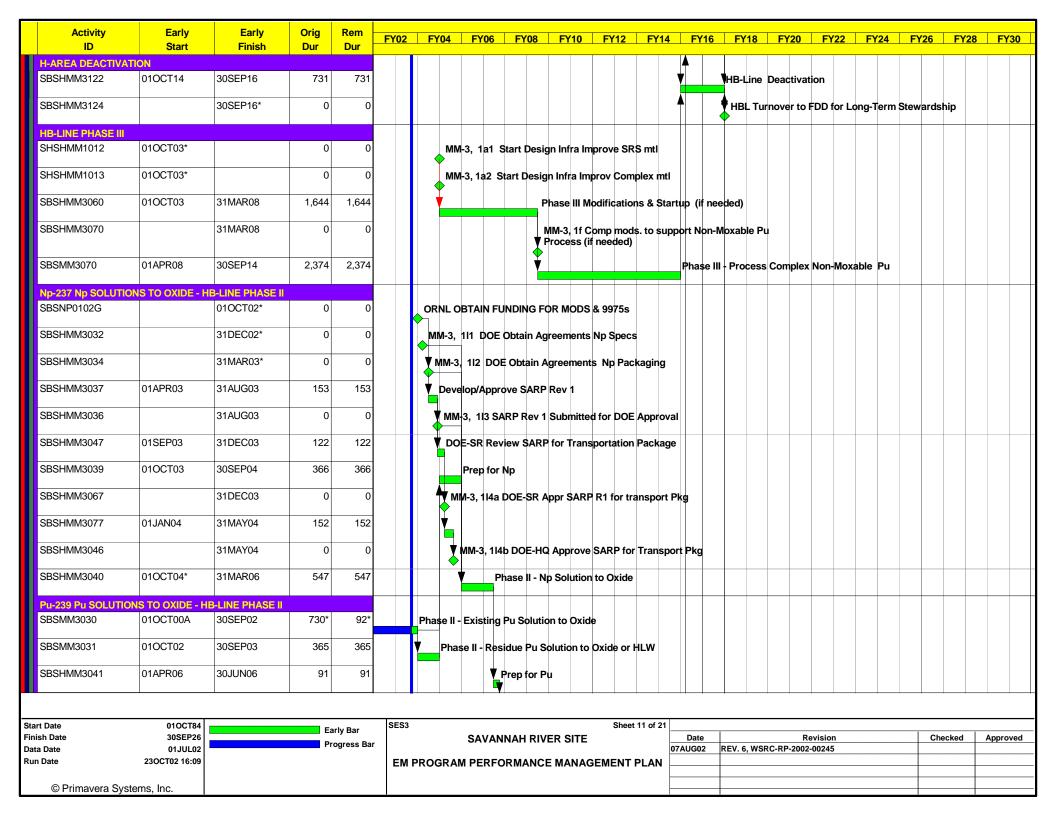


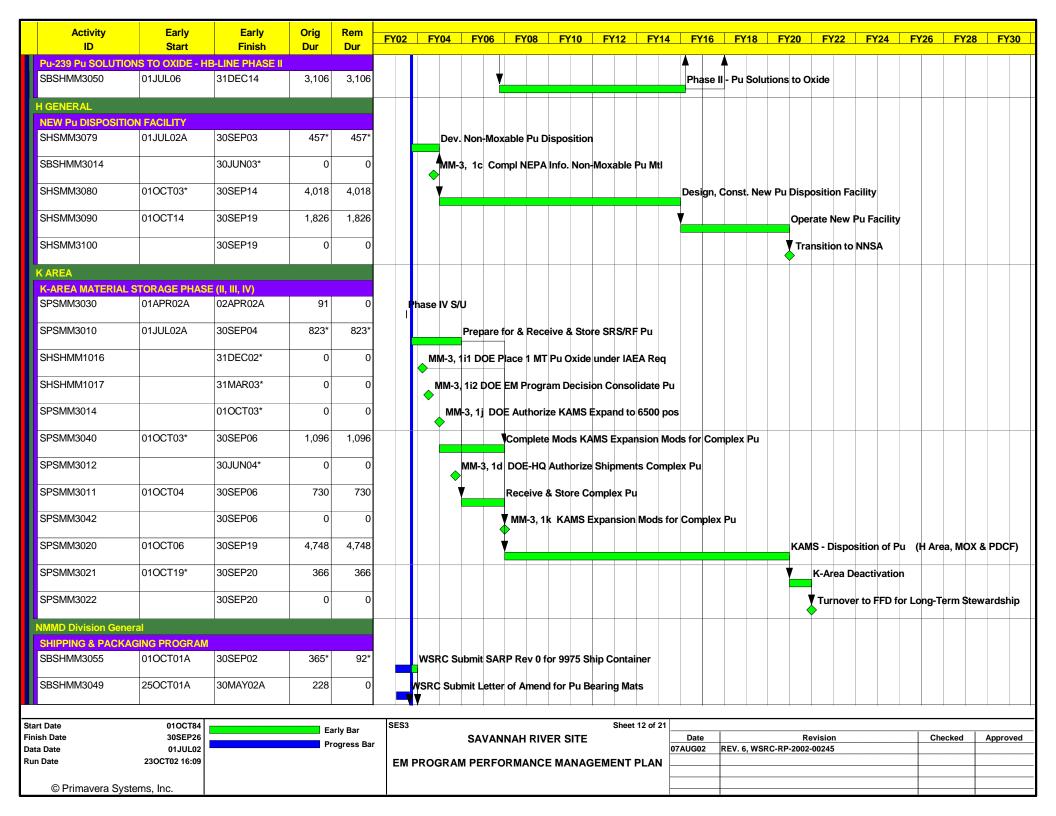












Activity ID	Early Start	Early Finish	Orig Dur	Rem Dur	FY02 FY04 FY06 FY08 FY10 FY12 FY14 FY16 FY18 FY20 FY22 FY24 FY26 FY28	FY30
SHIPPING & PACK	AGING PROGRAM					
SBSHMM3053	30MAY02A	31AUG02	94*	62*	DOE Review - Letter of Amend for Pu Bearing Mats	
SBSHMM3052		30MAY02A	0	0	MM-3, 1m1 Amend Letter for Pu Brg Mats Submitted	
SBSHMM3054		31AUG02	0	0	MM-3, 1m2 Amend Letter for Pu Brg Mats Approved	
SBSHMM3056		30SEP02	0	0	MM-3, 1n1 SARP ID Rev 0 for 9975 Container Compl	
SBSHMM3057	01OCT02	31JAN03	123	123	DOE-SR Review of SARP R0 for 9975 Ship Container	
SBSHMM3058		31JAN03	0	0	MM-3, 1n2a DOE-SR SARP R0 for Container Appryed	
SBSHMM3068		31JAN03	0	0	MM-3, 1n2b DOE-HQ SARP R0 for Container Apprved	

 Start Date
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 Finish Date
 30SEP26

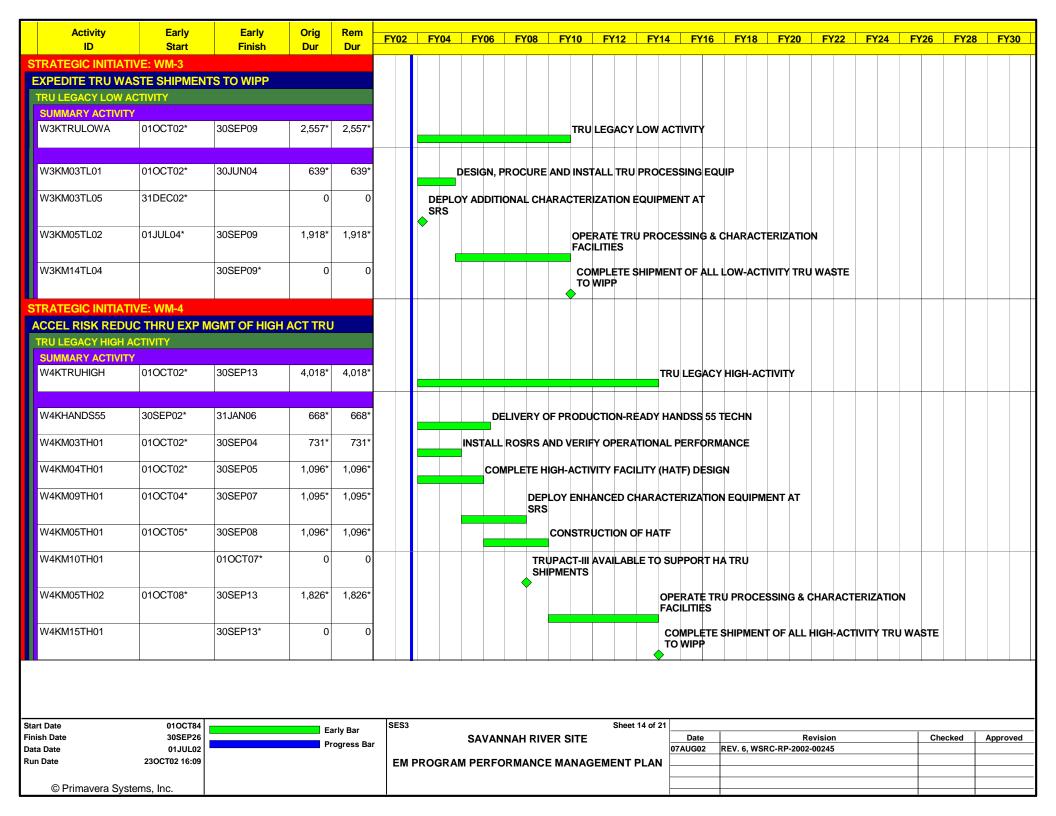
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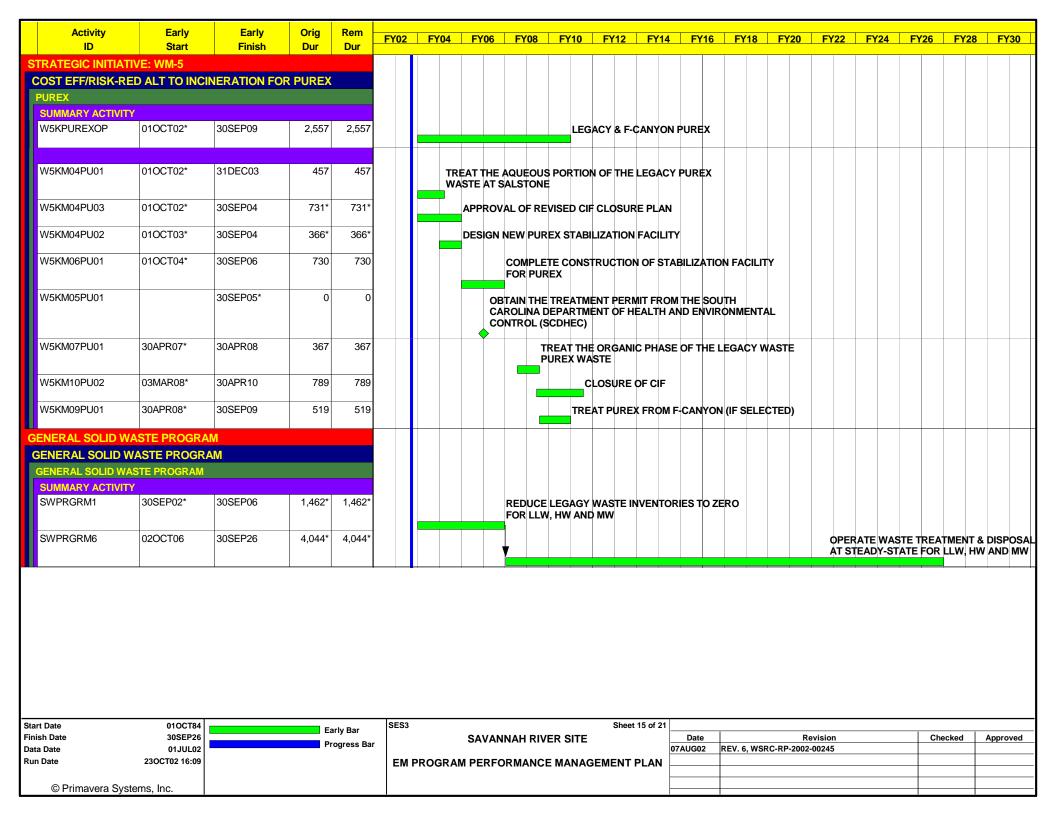
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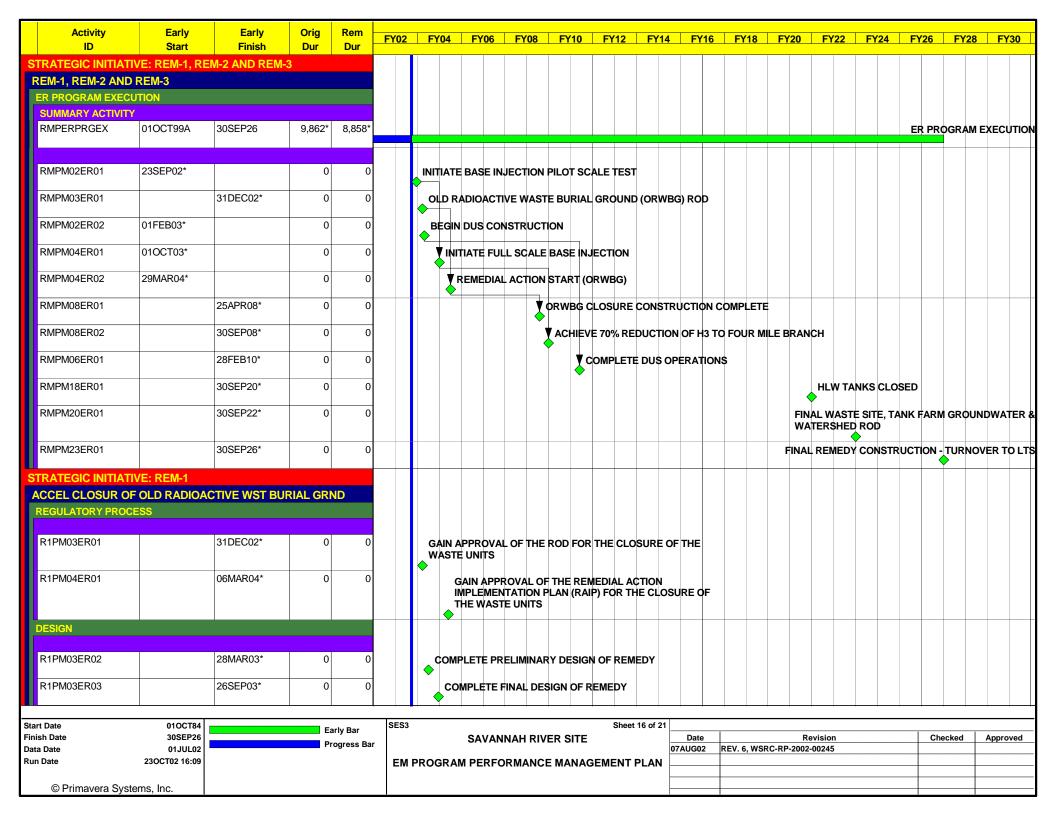
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Early Bar Progress Bar SES3 Sheet 13 of 21
SAVANNAH RIVER SITE
EM PROGRAM PERFORMANCE MANAGEMENT PLAN

Date	Revision	Checked	Approved
07AUG02	REV. 6, WSRC-RP-2002-00245		







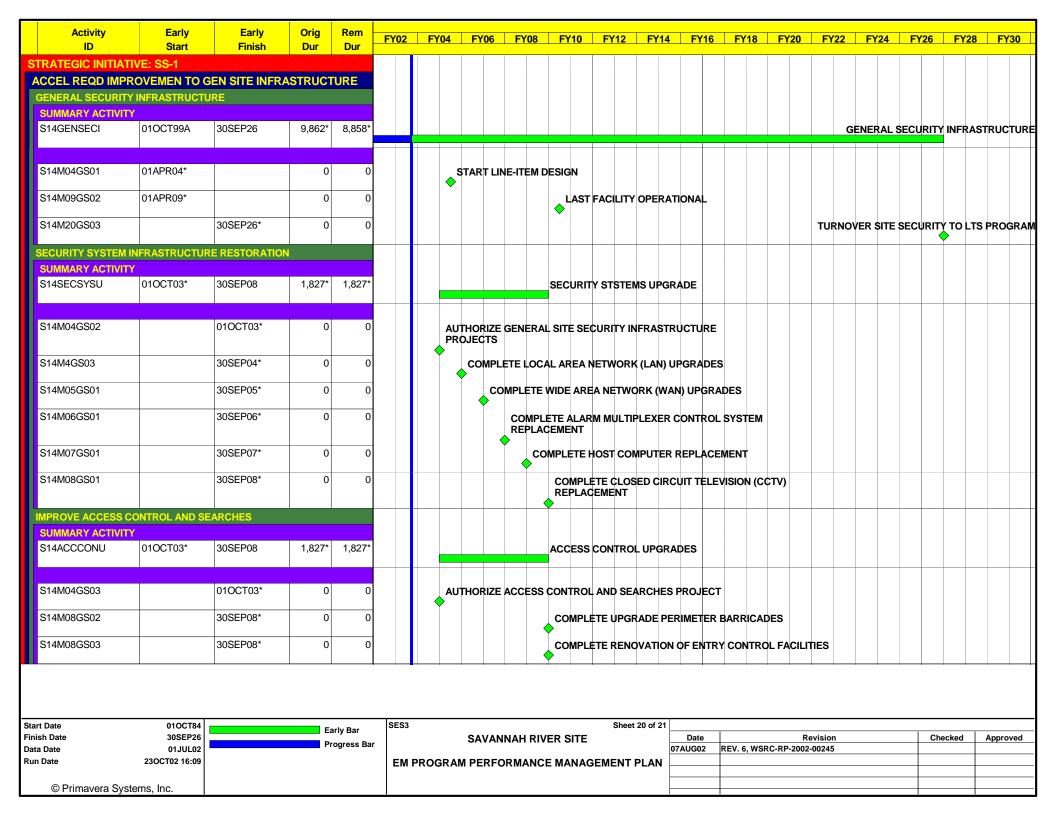
CONSTRUCTION		Finish	Dur	Dur	FY02   FY04   FY06   FY08   FY10   FY12   FY14   FY16   FY18   FY20   FY22   FY24   FY26   FY28	гіз
DADMOAFDOO	00144504*					
R1PM04ER02	29MAR04*		0	0	REMEDIAL ACTION START	
R1PM07ER01		25JUN07*	0	0	COMPLETE CONSOLIDATION OF SOILS AND MATERIALS	
R1PM08ER01		25APR08*	0	0	CONSTRUCTION COMPLETE	
R1PM08ER02		25JUL08*	0	0	SUBMIT POST CONSTRUCTION REPORT FOLLOWING CONSTRUCTION COMPLETE OF THE ACTION	
RATEGIC INITIAT	IVE: REM-2					
CCEL CONTAMIN		I FOURMILE BE	RANCH ST	TRM		
ASE INJECTION						
DODMOSERO4	22CED00*					
R2PM02ER01	23SEP02*		0	0	INITIATE PILOT SCALE TEST SOUTH OF THE F-AREA SEEPAGE BASINS TO DETERMINE FEASIBILITY OF FULL SCALE OPERATIONS	
R2PM03ER01		01OCT02*	0	0	RECEIVE SCOHEC APPROVAL OF THE CORRECTIVE ACTION PLANS	
R2PM03ER02		01APR03*	0	0	SUBMIT FULL-SCALE BASE INJECTION SYSTEM DESIGN TO SCOHEC	
R2PM04ER01	01OCT03*		0	0	INITIATE FULL-SCALE BASE INJECTION OPERATIONS	
R2PM07ER01		30SEP07*	0	0	ACHIEVE METALS REDUCTION IN FOURMILE BRANCH STREAM	
PHYTOREMEDIATION	N WITH SPRAY IF	RRIGATION				
R2PM03ER05		01FEB03*		0	CURMIT MANAGE EVEN ANDER DI IVITOREMENTATION OVICE AND INCIDENTATION OF THE PROPERTY OF THE PR	
12FIVIUSERUS		UIFEBUS"	0	۷	SUBMIT MWMF EXPANDED PHYTOREMEDIATION SYSTEM DESIGN TO SCOHEC	
R2PM03ER03		01APR03*	0	0	SUBMIT PRECISION GROUND WATER EXTRACTION SYSTEM	
				Ĭ	DESIGN TO SCOHEC DESIGN TO SCOHEC	
R2PM03ER04		01OCT03*	0	0	SUBMIT FINAL DESIGN OF SPRAY IRRIGATION SYSTEM	
					FOR F AND H AREAS TO SCOHEC	
R2PM04ER04	01NOV03*		0	0	INITIATE INSTALLATION OF MWMF EXPANDED PHYTOREMEDIATION SYSTEM	
R2PM04ER02	01APR04*		0	0	BEGIN INSTALLATION OF SPRAY IRRIGATION SYSTEM	
R2PM04ER03		01APR04*	0	0	COMPLETE INSTALLATION OF PRECISION GROUNDWATER EXTRACTION SYSTEM	
Date	01OCT84				SES3 Sheet 17 of 21	
sh Date	30SEP26			arly Bar ogress Bar	SAVANNAH RIVER SITE Date Revision Checked A	Appro
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Activity ID	Early Start	Early Finish	Orig Dur	Rem Dur	FY02	FY04	FY06	FY08	FY10	FY12	FY14	FY16	FY18	FY20	FY22	FY24	FY26	FY28	FY30
R2PM08ER01		30SEP08*	0	0									LE BRANG ATION FM						
RATEGIC INITIATI	VE: REM-3								Ĭ										
IPRVD REGULATO	DRY PROCES	SES ACCEL RIS	SK REDU	CTION															
YNAMIC UNDERGR	OUND STRIPPII	NG (DUS)																	
R3PM02ER01		30SEP02*	0	0		01 101417													
NOF MOZEINOT		303LF 02				SUBIVIII	PERIMITS	5 10 SCD	HEC FOR	APPROVA	L								
R3PM02ER02		31JAN03*	0	0		ОВТА	N SCDHE	C APPRO	OVALS FOI	R PERMIT	S TO CON	ISTRUCT							
R3PM02ER03	01FEB03*		0	0		BEGIN	DUS CO	NSTRUCT	TION										
						<b>♦</b>													
R3PM03ER01	01FEB05*		0	0			BEGIN	DUS ST	ARTUP										
R3PM06ER01		28FEB10*	0	0					•	OMPLET	E DUS OF	PERATION	S (FOREC	AST)					
R3PM07ER01		30SEP12*	0	0							COMPL	ETE POS	T OPERAT	TONS SAM	IPLING				
NHANCED BIOREMI	EDIATION (MICI	ROENFRACTIONA	ATION)																
R3PM02ER04		31JAN03*	0	0		SUBM	IT INTERI	M ROD RI	EVISION T	O SCDHE	C/EPA								
R3PM03ER02		31MAY03*	0	0		ОВТ.	AIN APPR	OVAL OF	ROD REV	ISION									
R3PM03ER03		31MAR04*	0	0			SUBMIT R REGULAT		ACTION I	MPLEMEI	NTATION	PLAN TO							
R3PM03ER04		30SEP04*	0	0			OBTAIN	I APPROV	AL OF IM	LEMENT	ATION PL	AN							
R3PM03ER05	01NOV04*		0	0			BEGIN	FIELD AC	CTIVITIES										
R3PM04ER01		30NOV05*	0	0			C	OMPLETE	ENHANC	ED BIORE	MEDIATION	ON							

Start Date	01OCT84	Early Bar	SES3 Sheet 18 of 21				
Finish Date	30SEP26		SAVANNAH RIVER SITE	Date	Revision	Checked	Approved
Data Date	01JUL02	Progress Bar		07AUG02	REV. 6, WSRC-RP-2002-00245		
Run Date	23OCT02 16:09		EM PROGRAM PERFORMANCE MANAGEMENT PLAN				
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	tivity ID	Early Start	Early Finish	Orig Dur	Rem Dur	FY02	FY04	FY06	FY08	FY10	FY12	FY14	FY16	FY18	FY20	FY22	FY24	FY26	FY28	FY30
TRATEGI	C INITIATI	VE: DD-1																		
ACCELER	ATE FACI	LITIES DISPO	SITION																	
D&D CURF	RENTLY IN	ACTIVE FACILIT	IES																	
SUMMAR	Y ACTIVITY																			
UDUDRD/	AREA	01OCT03*	30SEP06	1,096*	1,096*				D AREA											
UDUDRM	AREA	01OCT03*	30SEP06	1,096*	1,096*				M AREA											
UDUDRTN	NXAR	01OCT03*	30SEP06	1,096*	1,096*				TNX											
UDUM06D	DR01		30SEP06*	0	0				COMPL	ETE TNX	D&D									
UDUM06D	DR02		30SEP06*	0	0				COMPL	ETE D-AR	EA D&D									
UDUM09E	DR01		30SEP06*	0	0				COMPL	ETE M-AR	EA D&D									
ALANCE	OF SRS F	ACILITY DISP	OSITION																	
BALANCE	OF SRS	FACILITY DISF	POSITION																	
		CILITY DISPOS	ITION																	
BFSRSFA	Y ACTIVITY	01JAN01A	30SEP24	4.770*	4.470*														<u> </u>	
BESKSFA	CDI	UTJANUTA	305EP24	4,778*	4,479*											STRUCT		ID-STATE	S FOR BA	ALANCE
BFSRSFA	CD6		30SEP24	0	0												СОМ	LETE FA	CILITY DI	SPOSITI

Start Data	0400704		SES3 Sheet 19 of 21				
Start Date Finish Date	01OCT84 30SEP26	Edily Dai	SES3 Sheet 19 of 21 SAVANNAH RIVER SITE	Date	Revision	Checked	Approved
Data Date	01JUL02	Progress Bar		07AUG02	REV. 6, WSRC-RP-2002-00245	- Circonou	7.55.0100
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Activity ID	Early Start	Early Finish	Orig Dur	Rem Dur	FY02	FY04 FY06 FY08 FY10 FY12 FY14 FY16 FY18 FY20 FY22 FY24 FY26 FY	/28 FY3
RATEGIC INITIA		FINISH	Dui	Dui			
ENTRALIZE ALA		T CDC					
ENTRALIZE ALA CENTRALIZE ALAR		ISKS					
SUMMARY ACTIVITY S24CENALSY	01OCT99A	30SEP20	7,671*	6,667*		MONITOR OFFITRAL ALARMANA	TEMO
324CENALS I	010C199A	303EF20	7,071	0,007		MONITOR CENTRAL ALARM SYS	IEMS
S24M01CA01	01OCT00A		0	0	MONIT	DRING 2 FERNALD PANELS	
S24M02CA01		01SEP02*	0	0		ASSURE INCOMING TELEPHONE INFRASTRUCTURE REDUNDANCY TO NEGATE A SINGLE POINT FAILURE FROM AFFECTING RECEIPT OF SIGNAL FROM DOE COMPLEX	
S24M02CA02		01OCT02*	0	0		PROVIDE REGULAR PERFORMANCE METRICS ON COST PER PANEL TO PROVIDE ALARM SERVICE TO DOE COMPLEX BASED UPON SRS BASELINE OF \$5,700 PER YEAR	
S24M03CA01		01DEC02*	0	0		DEVELOP PACKAGE FOR DISTRIBUTION BY EM-1, DP-1, NN-1, TO DOE COMPLEX ON THE COST SAVINGS INITIATIVE TO CENTRALIZE ALARM SERVICE AT SRS	
S24M03CA02		31JAN03*	0	0		DOE-HQ TO PROVIDE DIRECTION TO WSRC FOR COMPLEX SUPPORT ACTIVITIES	
S24M03CA03		01FEB03*	0	0		CORRELATE DATA COLLECTED AND PROVIDE REPORT ON ACTUAL AND POTENTIAL SAVINGS RELATIVE TO INITIATIVE	
S24M03CA04		01FEB03*	0	0		IMPLEMENT CAPABILITY TO IMMEDIATELY RECEIVE SIGNALS FROM REPROGRAMMING OF EXISTING ALARM PANELS	
S24M03CA05		01FEB03*	0	0		STAFF ADDITIONAL POSITIONS AT SRS CENTRAL ALARM STATION TO HANDLE OFFSITE ALARM PANELS.	
S24M03CA06		01MAR03*	0	0		DEVELOP THE CENTRAL ALARM SYSTEM DESCRIPTION AND USAGE GUIDANCE DOCUMENTS FOR DOE COMPLEX USE AND IMPLEMENTATION	
S24M03CA07		01MAR03*	0	0		DEVELOP STAFFING FORECAST WITH RELATED BUDGETARY NEEDS FOR FY04 THROUGH FY09 BASED UPON NEW ALARM PANELS SUPPORT NEEDS DURING THE SAME PERIOD UTILIZING REQUESTS FOR SERVICE FROM DOE COMPLEX	
S24M03CA08		01APR03*	0	0		ISSUE DOE-HO GUIDANCE DOCUMENT ON UTILIZATION OF CENTRALIZED ALARM SERVICE AT SRS TO DOE FIELD OFFICES	
S24M08CA02		30SEP08*	0	0		CONNECT SITES BY 2008	
						T	
t Date	01OCT84 30SEP26		Ea	ırly Bar	SES3		
sh Date a Date	01JUL02		Pr	ogress Ba	r	SAVANNAH RIVER SITE         Date         Revision         Checked           07AUG02         REV. 6, WSRC-RP-2002-00245         Checked	Approv
Date	23OCT02 16:09				EM	PROGRAM PERFORMANCE MANAGEMENT PLAN	

# 9.0 Key Decisions, Deliverables and Enabling Milestones Responsibility Assignment Matrix

The following document, organized by EM Program component, depicts the organizational commitments required for completing the SRS Cleanup Reform Vision. The Aggressive Target Cleanup Dates support completion of the EM Cleanup by 2025.

SCOPE	Aggr	essive Targ	get Cleanu	Date		Target Clea	anup Date	
Key Milestones, Decisions, Deliverables	WSRC	DOE-SR	DOE-HQ	Others	WSRC	DOE-SR	DOE-HQ	Others
HIGH	I LEVEL W	VASTE SCO	PE					
WM-1: Expedited High Level Waste Processing								
This initiative will expedite the processing of the 37 million gallons of High Level two major concepts: Tailored Treatment and a Closure Facility concept.	Waste curre	ently stored at	SRS 8 years	earlier than s	cheduled. Th	e initiative wi	ll implement	
Resolve Programmatic Requirement Issues:								
a. Approve movement to a single color of money for EM activities to allow more agile execution of Accelerated Cleanup Plan:     1) Approve movement of many activities out of the Waste		7/15/02				9/30/02		
Removal Line Item.		7/15/02				9/30/02		
Submit recommended PBS Structure to DOE-HQ.		1/31/03				3/30/03		
Modify current PBS structure to allow more flexibility.			9/30/03				9/30/04	
Approve use of a single color of money.			9/30/03				9/30/04	
b. Modify implementation guidelines for DOE Order 435.1 for Key Radionuclides, more realistic Intruder Analysis and less subjective Waste Incidental to Reprocessing. Requirements to support acceleration.								
Submit requested modifications to DOE Order 435.1 implementation guidelines to DOE-HQ.	7/31/02				9/30/02			
Approve Revised Order with modifications incorporated.			1/31/03				7/30/03	
Develop acceptance criteria to determine when waste removal efforts should be completed on tanks.	12/1/03				11/30/04			
<ol> <li>Obtain regulatory concurrence if needed with the revised acceptance criteria for tank closure.</li> </ol>		3/31/04				9/30/05		
c. Modify requirements for Tank Farm Closure Facility.								
Submit Closure Facility Plan detailing modified Requirements.	12/1/02				3/31/03			
Approve Closure Facility Requirements.		3/1/03				6/30/03		
3) Gain DOE-HQ & DNFSB Concurrence.			4/1/03				7/30/03	
Implement Modified Requirements.	10/1/03				6/30/04			
2. Sludge Processing	4/0/00				4/00/00			
<ul> <li>a. Place ~ 4% more waste in canisters at DWPF by raising the fill height.</li> </ul>	4/6/02				4/30/02			
<ul> <li>b. Initiate use of improved Frit at DWPF, which will support increased production rates at DWPF.</li> </ul>					12/31/02			
<ul> <li>c. Increase production rate at DWPF to an average of 280 equivalent canisters per year.</li> </ul>	9/30/04				9/30/05			

SCOPE	Aggressive Target Cleanup Date					Target Clea	anup Date	
Key Milestones, Decisions, Deliverables	WSRC	DOE-SR	DOE-HQ	Others	WSRC	DOE-SR	DOE-HQ	Others
d. Complete 30% of Sludge Processing Canisters.	9/30/03				3/30/04			
<ul> <li>e. Complete 45% of Sludge Processing Canisters.</li> </ul>	9/30/06				3/30/08			
f. Complete 60% of Sludge Processing Canisters.	3/31/10				3/30/12			
g. Complete 75% of Sludge Processing Canisters.	9/30/13				9/30/16			
h. Complete all Sludge Processing.	6/30/19				6/30/24			
i. Receive Am/Cm material from F Canyon.	3/31/03				3/31/03			
Resolve canister storage issues.								
a. Approve & obtain funding authority for FY03 Canister Storage Line			10/1/02				3/30/03	
Item to accommodate additional canister production rate.								
b. Initiate Glass Waste Storage Building (GWSB) II Line Item.	11/1/02				10/1/03			
c. Begin operation of GWSB II.	6/30/06				9/30/07			
d. Commit to an expedited shipment schedule for SRS canisters &								
provide shipment support.			10/1/08				3/30/09	
e. Begin shipments to Federal Repository.	10/1/10				10/1/10			
<ol> <li>Complete shipments to Federal Repository.</li> </ol>	9/30/19				9/28/24			
4. Low Curie Salt Processing.								
a. Gain regulators' concurrence for low curie salt processing.				9/30/02				3/30/03
b. Initiate dissolution of low curie salt in Tank 41.	10/1/02				4/1/03			
5. Low Curie Salt with higher actinide content.								
Approve Low Curie Salt with actinides Waste Incidental to Reprocessing.		10/31/03				12/30/03		
b. Gain regulators' concurrence for actinide processing.				12/31/03				2/28/04
c. Initiate Low Curie Salt with actinides processing.	4/30/05				4/30/06			
6. High Curie Salt with Higher Actinide Content.								
a. Initiate High Curie Salt Processing.		10/1/08				10/1/09		
7. Salt Processing.								
a. Complete 20% of all Salt Processing.	9/30/06				9/30/07			
b. Complete 30% of all Salt Processing.	9/30/08				3/30/10			
c. Complete 50% of all Salt Processing.	9/30/11				3/30/14			
d. Complete 75% of all Salt Processing.	9/29/14				6/28/18		-	
e. Complete all Salt Processing.	6/30/19				6/30/24			

SCOPE	Aggr	essive Tarç	get Cleanu	p Date	Target Cleanup Date				
Key Milestones, Decisions, Deliverables	WSRC	DOE-SR	DOE-HQ	Others	WSRC	DOE-SR	DOE-HQ	Others	
WM-2: Risk Based Tank and Facility Closures	_								
This initiative will implement risk based tank and facility closure.									
Risk Based Tank Closures.     a. Approve deferral of the closure of Tank 19 until the closure of Tank 18 is ready so these two tanks can be closed as a group (SCDHEC & EPA).				6/30/02 Complete				6/30/02 Complete	
b. Issue Tank Closure EIS Record of Decision (ROD).			7/31/02				9/30/02		
c. Submit Tank 19 Closure module to SCDHEC.	9/30/02				11/30/02				
d. Approve the Tank 19 Closure module (SCDHEC).				12/31/02				2/28/03	
e. Submit Tank 18 Closure module to SCDHEC.	5/30/03				7/30/03				
f. Approve the Tank 18 Closure module (SCDHEC).				8/30/03				10/28/03	
g. Complete the first Tank group closure (Tanks 17-20).	6/30/04				9/30/04				
<ul> <li>h. Complete the Closure Plan modules for Tanks 1-8 and gain regulatory concurrence.</li> </ul>									
<ol> <li>Submit closure plans for Tanks 1-8 to SCDHEC.</li> </ol>	9/30/08				3/31/09				
2) Approve Closure plans (SCDHEC).				3/31/09				9/30/09	
3) Initiate closure activities for Tanks 1-8.	4/30/09				10/31/09				
4) Complete the second Tank group closure (Tanks 1-8).	3/31/11				9/30/12			1	
i. Tank Closures.									
1) Complete 25%.	3/31/12				3/31/13				
2) Complete 50%.	9/30/14				9/30/17				
3) Complete 75%.	9/30/16				9/30/19				
4) Close all tanks. 2 Risk Based Facility Closures.	9/30/20				9/30/25			+	
a. Designate SRS as a Long-Term National Security Site with long-term monitoring commitment.			1/31/04				1/30/05		
<ul> <li>b. Develop strategy for completing facility closures after the designation above are completed and the modifications to DOE Order 435.1 implementation guidelines are completed.</li> </ul>	9/30/10				9/30/11				
c. Initiate Processing Facility Closures.	6/30/19								
d. Close all facilities.C18	9/30/20				9/30/25				

SCOPE	Aggre	essive Targ	get Cleanu	p Date		Target Clea	anup Date	
Key Milestones, Decisions, Deliverables	WSRC	DOE-SR	DOE-HQ	Others	WSRC	DOE-SR	DOE-HQ	Others
NUCLEAR MA	TERIALS	MANAGEM	MENT SCO	PE				
MM-1: Accelerated Nuclear Material Facilities Consolidation	n and Dead	ctivation						
This initiative accelerates the consolidation and deactivation of F Area, the rece	iving basin fo	r offsite fuels	(RBOF), and	the K-Basin N	Nuclear Mater	ials facilities.		
F-Canyon Deactivation								
<ul> <li>a. DOE authorization to proceed with deactivation for F Canyon and FB-Line. (Authorize Suspension Plan for the next Phase, Phase 3         <ul> <li>Facility Stabilization and Equipment Shutdown / Isolation).</li> </ul> </li> </ul>			9/30/02				12/31/02	
<ul><li>b. 1) WSRC to submit a tailored set of requirements (e.g., S/RIDs) to DOE.</li></ul>	12/31/03				8/31/04			
<ol><li>A set of tailored requirements (e.g., S/RIDs) will be approved for these deactivation activities.</li></ol>		1/31/04				9/30/04		
c. Complete Americium/Curium (Am/Cm) Transfer to HLW.	3/31/03				3/31/03			
d. Transfer cold chemical makeup.	9/30/05				3/31/06			
e. Shutdown the low-activity waste and general purpose evaporator.	6/30/06				3/31/07			
<ul> <li>f. Establish SRTC and C-Lab waste handling in an appropriate facility to ensure shutdown of acid recovery unit.</li> </ul>	9/30/06				9/30/07			
g. Transfer approximately 60,000 gallons of PUREX solvent to an appropriate location.	12/31/06				12/31/07			
<ul> <li>h. Define and implement selected deactivation end-state option for approximately 190,000 gallons of Depleted Uranium (DU) solution.</li> <li>Commence design for cold chemical capabilities.</li> </ul>	6/30/07				6/30/08			
2. FB-Line Deactivation								
<ul> <li>a 1) WSRC to submit a tailored set of requirements ( e.g., S/RIDs) to DOE.</li> </ul>	12/31/03				8/31/04			
<ol><li>A set of tailored requirements (e.g., S/RIDs) will be approved for these deactivation activities.</li></ol>		1/31/04				9/30/04		
<ul> <li>b. Package Rocky Flats classified metal through bagless transfer system (existing PBI NMSF/IP230).</li> </ul>	6/30/03				6/30/04			
<ul> <li>c. Provide "SST's" to support FB-Line de-inventory to KAMS, shipping to 235-F, and other inter-site shipments.</li> </ul>		4/30/03				3/31/04		
<ul> <li>d. Characterize/repackage SRS materials for dissolving, disposal, or packaging.</li> </ul>	9/30/05				9/30/06			
<ul> <li>e. Complete packaging into 3013 SRS Pu material that has been produced as of July 2004.</li> </ul>	12/31/04				12/31/05			

SCOPE	Aggr	essive Targ	get Cleanup	Date	•	Target Clea	anup Date	
Key Milestones, Decisions, Deliverables	WSRC	DOE-SR	DOE-HQ	Others	WSRC	DOE-SR	DOE-HQ	Others
f. Install long-term 3013 Container packaging / surveillance capability in existing facility.	9/30/07				9/30/08			
g. Complete de-inventory of FB-Line vault.	6/30/07				6/30/08			
h. Take 221 FB-Line from Cat. 1 to Cat. 3.		9/30/07				9/30/08		
3. RBOF Deactivation								
<ul> <li>a. 1) WSRC to submit a tailored set of requirements (e.g., S/RIDs) to DOE.</li> </ul>	12/31/02				8/31/03			
<ol><li>A set of tailored requirements (e.g., S/RIDs) will be approved for these deactivation activities.</li></ol>		1/31/03				9/30/03		
b. Implement NIST fuel handling capability in L Area.	6/30/04				12/31/04			
c. Install racks needed for RBOF in L Area.	9/30/04				6/30/05			
d. Shutdown resin regeneration operations.	9/30/04				6/30/05			
e. De-inventory fuel from RBOF basin.	9/30/04				9/30/06			
f. RBOF Facility Deactivation.	9/30/05				9/30/06			
K-Basin Deactivation								
a. 1) WSRC to submit a tailored set of requirements ( e.g., S/RIDs) to DOE.	8/31/02				8/31/02			
<ol> <li>A set of tailored requirements (e.g., S/RIDs) will be approved for these deactivation activities.</li> </ol>		9/30/02				9/30/02		
b. Complete K-Basin de-inventory and deactivation.	3/31/03				3/31/03			
MM-2: Accelerated SNF Disposition  This initiative accelerates the start of spent nuclear fuel (SNF) disposition by 6 yr \$1 billion in current baseline costs for SNF disposition. It further supports develors-effective manner with substantially reduced life-cycle expenditures.  1. The following actions associated with this initiative provide accelerated SNF disposition and an integrated disposition strategy.								
a. Complete National Environmental Policy Act (NEPA) action to begin Foreign Research Reactor (FRR)/Domestic Research Reactor (DRR) SNF disposition in H Canyon.			12/31/02				3/31/03	
b. Begin processing FRR/DRR, as early as FY03, in H Canyon.	9/30/03				12/31/03			
c. Complete processing FRR/DRR in H Canyon, on a "not to interfere basis", such that L-Basin will have sufficient capacity to maintain the current receipt schedule.	9/30/14				9/30/16			
<ul> <li>d. Modify the TVA interagency agreement as appropriate for Highly Enriched Uranium (HEU) from FRR/DRR.</li> </ul>			12/31/02				3/31/03	

SCOPE	Aggr	essive Tarç	get Cleanu <sub>l</sub>	o Date		Target Clea	anup Date	
Key Milestones, Decisions, Deliverables	WSRC	DOE-SR	DOE-HQ	Others	WSRC	DOE-SR	DOE-HQ	Others
<ul> <li>e 1) Complete NEPA action for determination of legacy SNF disposition.</li> </ul>			9/30/04				9/30/06	
<ol><li>Ensure viability of TVA or alternate option for additional HEU disposition.</li></ol>			6/30/05				9/30/05	
f. Identify Legacy SNF Inventory, including fuel received to date at SRS and fuel expected to be received at SRS by 2009. Also identify non-legacy aluminum based fuel which may be shipped to SRS; requires DOE-HQ approval.	9/30/04		12/31/04		9/30/05		12/31/05	
g. Determine and assign responsible program owner for disposition of SNF not received at SRS by 2009.			9/30/04				9/30/05	
MM-3: Optimize Disposition of Complex-Wide Plutonium B	earing Ma	terials						
This initiative provides an integrated approach for accelerating the closure of Pudisposition path for these materials.	u missions ac	cross the comp	olex, consolid	ates Pu-beari	ng materials	at SRS, and e	establishes a	
<ol> <li>This initiative requires two NEPA actions, modifications to facilities, and acceleration of existing campaign material.</li> </ol>								
<ul> <li>a. 1) Assess infrastructure improvements for processing SRS material and start specific design work for H Area and 235-F.</li> </ul>	10/1/03				10/1/04			
<ol> <li>Assess infrastructure improvements for processing complex material and start specific design work for H Area and 235-F.</li> </ol>	10/1/03				10/1/04			
<ul> <li>c. Complete NEPA action to identify disposition path for legacy non- MOX-able Pu material.</li> </ul>			6/30/03				6/30/04	
<ul> <li>d. Authorize shipments of complex Pu material.</li> <li>e. Complete modifications for H Area CAT 1 security and HB-Line</li> </ul>			6/30/04				12/31/04	
Phase 1 south line activation (if needed).	9/30/05				6/30/06			
<ul> <li>f. Complete Modifications to H Area to support processing of non- MOX-able Pu material (if needed).</li> </ul>	3/31/08				3/31/09			
g. Start processing of Rocky Flats items.	10/1/04				10/1/05			
h. Complete operation of existing H-Area facilities.	12/31/14				9/30/16			
<ul> <li>i. 1) Place 1 MT Pu oxide under IAEA requirements identified in KAMS TRAC (Technical Requirements and Criteria).</li> </ul>			12/31/02				12/31/02	
<ol><li>EM Programmatic decision to consolidate complex-wide Pu Storage.</li></ol>			3/31/03				3/31/04	
<ul> <li>j. Authorize KAMS funding for expansion to 6500 positions.</li> <li>k. Complete modifications to KAMS to support storage of complexwide Pu material</li> </ul>	9/30/06	10/1/03			9/30/07	10/1/04		

l la companya di managantan di managantan di managantan di managantan di managantan di managantan di managanta	Aggre	essive Targ	get Cleanup	Date		Target Clea	anup Date	
Key Milestones, Decisions, Deliverables	WSRC	DOE-SR	DOE-HQ	Others	WSRC	DOE-SR	DOE-HQ	Others
Obtain Np oxide agreement on material specifications and								
packaging and transportation with receiver site. Have in place all								
transportation requirements on schedule.								
Obtain agreement on Np specifications.		12/31/02				6/30/03		
2) Obtain agreement on Packaging.	0/24/02	3/31/03			0/04/00	9/30/03		
3) Submit SARP, Rev. 1, for DOE Approval. 4) Approve SARP, Rev. 1, for transportation package.	8/31/03	12/31/03	5/31/04		8/31/03	12/31/03	5/31/04	
m. 1) Submit Letter of Amendment for Type I, Type II and Type III	5/30/02	12/31/03	5/31/04		11/30/02	12/31/03	5/31/04	
Plutonium-bearing materials.	Actual				5/03/02 act			
2) Approve Letter of Amendment for Type I, Type II and Type III	Actual				3/03/02 act			
Plutonium-bearing materials.			8/31/02				12/31/02	
n. 1) Submit initial draft SARP Rev. 0 for 9975 shipping container.	9/30/02				9/30/02			
2) Approve SARP Rev. 0 for 9975 shipping container.		1/31/03	1/31/03			1/31/03	1/31/03	
This initiative accelerates Risk Reduction by expediting TRU Waste shipments t	0 VV0310 1301				IODO TERM SES	s storage in	e site currentl	v has
approximately 4,896 m3 (24,000 drums and 480 polyboxes) of low-activity TRU to WIPP at an average rate of 4,000 equivalent, drums per year, eight times the		d waste to be	shipped to W					
to WIPP at an average rate of 4,000 equivalent drums per year, eight times the		d waste to be	shipped to W					
	current shipp	d waste to be	shipped to W					
to WIPP at an average rate of 4,000 equivalent drums per year, eight times the  1. Provide TRU processing to augment current capability.  a. Conduct Authorization basis upgrades to existing manual TRU processing facilities to allow a greater inventory of waste to be processed.	current shipp	d waste to be	shipped to W					
to WIPP at an average rate of 4,000 equivalent drums per year, eight times the 1. Provide TRU processing to augment current capability.  a. Conduct Authorization basis upgrades to existing manual TRU processing facilities to allow a greater inventory of waste to be processed.  b. Modify and augment current manual TRU processing equipment to allow a greater inventory of waste to be processed.	9/30/03 9/30/03	d waste to be	shipped to W		celerated plan			
to WIPP at an average rate of 4,000 equivalent drums per year, eight times the  1. Provide TRU processing to augment current capability.  a. Conduct Authorization basis upgrades to existing manual TRU processing facilities to allow a greater inventory of waste to be processed.  b. Modify and augment current manual TRU processing equipment to allow a greater inventory of waste to be processed.  c. Provide fully operational and certified enhanced repackaging capability for TRU waste, based on LANL glovebox system.	9/30/03 9/30/03	d waste to be	shipped to W		9/30/08			
to WIPP at an average rate of 4,000 equivalent drums per year, eight times the  1. Provide TRU processing to augment current capability.  a. Conduct Authorization basis upgrades to existing manual TRU processing facilities to allow a greater inventory of waste to be processed.  b. Modify and augment current manual TRU processing equipment to allow a greater inventory of waste to be processed.  c. Provide fully operational and certified enhanced repackaging	9/30/03 9/30/03	d waste to be	shipped to W	IPP. This ac	9/30/08			RU waste
to WIPP at an average rate of 4,000 equivalent drums per year, eight times the  1. Provide TRU processing to augment current capability.  a. Conduct Authorization basis upgrades to existing manual TRU processing facilities to allow a greater inventory of waste to be processed.  b. Modify and augment current manual TRU processing equipment to allow a greater inventory of waste to be processed.  c. Provide fully operational and certified enhanced repackaging capability for TRU waste, based on LANL glovebox system. (National TRU Program, Carlsbad, NM).	9/30/03 9/30/03	d waste to be	shipped to W	IPP. This ac	9/30/08			RU waste
to WIPP at an average rate of 4,000 equivalent drums per year, eight times the  1. Provide TRU processing to augment current capability.  a. Conduct Authorization basis upgrades to existing manual TRU processing facilities to allow a greater inventory of waste to be processed.  b. Modify and augment current manual TRU processing equipment to allow a greater inventory of waste to be processed.  c. Provide fully operational and certified enhanced repackaging capability for TRU waste, based on LANL glovebox system. (National TRU Program, Carlsbad, NM).  2. Augment characterization capability at SRS.  a. Deploy additional equipment and resources to increase characterization capacity including Pu238 capability	9/30/03 9/30/03	d waste to be	shipped to W	IPP. This ac	9/30/08			RU waste
to WIPP at an average rate of 4,000 equivalent drums per year, eight times the  1. Provide TRU processing to augment current capability.  a. Conduct Authorization basis upgrades to existing manual TRU processing facilities to allow a greater inventory of waste to be processed.  b. Modify and augment current manual TRU processing equipment to allow a greater inventory of waste to be processed.  c. Provide fully operational and certified enhanced repackaging capability for TRU waste, based on LANL glovebox system. (National TRU Program, Carlsbad, NM).  2. Augment characterization capability at SRS.  a. Deploy additional equipment and resources to increase	9/30/03 9/30/03	d waste to be	shipped to W	6/30/04	9/30/08			6/30/09
to WIPP at an average rate of 4,000 equivalent drums per year, eight times the  1. Provide TRU processing to augment current capability.  a. Conduct Authorization basis upgrades to existing manual TRU processing facilities to allow a greater inventory of waste to be processed.  b. Modify and augment current manual TRU processing equipment to allow a greater inventory of waste to be processed.  c. Provide fully operational and certified enhanced repackaging capability for TRU waste, based on LANL glovebox system. (National TRU Program, Carlsbad, NM).  2. Augment characterization capability at SRS.  a. Deploy additional equipment and resources to increase characterization capacity including Pu238 capability (National TRU Program, Carlsbad, NM).	9/30/03 9/30/03	d waste to be	shipped to W	6/30/04	9/30/08			6/30/09

#### RESPONSIBILITY ASSIGNMENT MATRIX (RAM)

SCOPE	Aggr	essive Tarç	get Cleanu <sub>l</sub>	p Date		anup Date	е	
Key Milestones, Decisions, Deliverables	WSRC	DOE-SR	DOE-HQ	Others	WSRC	DOE-SR	DOE-HQ	Others
a. Decision to allow load management of shipments to permit disposal of drums with less than 100 NCi/g (National TRU				9/30/02				9/30/07
Program, Carlsbad NM).								<u> </u>
Implement increased Pu limit for TRUPACT II     a. Regulatory approval of increase to Pu limit for TRUPACT II								<u> </u>
container (National TRU Program, Carlsbad, NM and NMED)				9/30/07				9/30/12
6. Accelerate shipments of low-activity TRU to WIPP.								
a. Provide TRUPACT-II shipping containers to support accelerated								
shipments from SRS to WIPP (National TRU Program, Carlsbad,				9/30/02				9/30/07
NM).	9/30/09			0/20/00	0/20/44			0/20/44
b. Complete shipment of all low-activity TRU waste to WIPP.				9/30/09	9/30/14			9/30/14
WM-4: Accelerate Risk Reduction through Expedited Mana	agement o	f High-Acti	vity TRU W	/aste				
Pu-238/Pu-239 waste and bulk containers. The site currently has approximately major concepts; fit for purpose modular designs, use of the existing Remotely C reduction and a new design TRUPACT-III for shipping larger TRU waste contain	perated Size							
Design and construct modular high-activity TRU waste processing facility								
a. Re-build ROSRS facility and verify operational performance.	9/30/04				9/30/06			
b. Deliver production-ready HANDSS55 technology ( EM-50 funded				1/30/06				1/30/11
TRU and MW Focus Area).				1/30/00				1/30/11
c. Approve line item for HA TRU facility.		12/30/04	12/30/04			12/30/05	12/30/05	
d. Complete the HA TRU facility design.	9/30/05				9/30/10			
e. Complete construction of HA TRU facility.	9/30/08				9/30/13			
f. SCDHEC permit approval for new facility.				9/30/05				9/30/10
Provide facilities for box characterization.								
a. Deploy box characterization equipment at SRS				9/30/07				9/30/12
(National TRU Program, Carlsbad, NM).								
3. Operate high-activity TRU processing and characterization facilities.								-
<ul> <li>a. Commence Operation of new high-activity TRU waste processing facility (including ROSRS).</li> </ul>	10/1/08				10/1/13			
b. Begin characterization of high-activity TRU waste								1
(National TRU Program, Carlsbad, NM).				10/1/08				10/1/08
Accelerate shipments of high-activity TRU to WIPP.								
a. Provide TRUPACT-II shipping containers to support accelerated								
shipments from SRS to WIPP				10/1/08				10/1/08
(National TRU Program, Carlsbad, NM).				ļ				
b. Complete implementation of a TRUPACT-III container for shipping				0/20/07				0/20/45
bulk TRU waste containers (National TRU Program, Carlsbad, NM).				9/30/07				9/30/12
(National TRO Program, Carisbad, NW).		-	1			ļ	ļ	<del> </del>

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c. Complete shipment of all high-activity TRU waste to WIPP.

9/30/18

SCOPE	Aggre	essive Targ	get Cleanu <sub>l</sub>	Date		Target Cle	Target Cleanup Date				
Key Milestones, Decisions, Deliverables	WSRC	DOE-SR	DOE-HQ	Others	WSRC	DOE-SR	DOE-HQ	Others			
WM-5: Cost Effective/Risk-Reducing Alternative to Incinera	ation for P	UREX Was	ste								
This initiative implements a new stabilization technology for treatment of organic											
years sooner than the current commitment. It also accelerates the Closure of the											
in the baseline. The early treatment facilitated by this alternative technology red				orage of 25,00	00 gallons of I	egacy organi	c PUREX, 12,	000 gallons			
of legacy aqueous PUREX, and approximately 60,000 gallons of F Canyon PUF	REX waste in	underground	tanks.								
Accelerate the treatment of the aqueous legacy PUREX waste.											
<ul> <li>a. Complete treatment of the aqueous portion of the PUREX waste at Saltstone.</li> </ul>	12/31/03				12/31/05						
Accelerate the treatment of the organic legacy PUREX waste .											
Approve the PUREX treatment permit     (SCDHEC).				9/30/05				9/30/06			
b. Complete the design and construction of the new PUREX stabilization facility.	9/30/06				9/30/07						
c. Begin treatment of the organic phase of the legacy PUREX waste .	4/30/07				12/31/07						
d. Complete organic legacy PUREX treatment.	4/30/08				12/31/08						
3. Accelerate closure of Consolidated Incineration Facility (CIF).											
Approve revision of CIF Closure Plan     (SCDHEC).				9/30/04				9/30/06			
b. Begin closure of CIF.	3/3/08				3/3/08						
c. Complete closure of CIF.	4/30/10				4/30/10						
If selected as the treatment option, complete treatment of F-Canyon PUREX.											
a. Complete treatment of ~60,000 gallons of F-Canyon PUREX	9/30/09				9/30/09						
General SWD Program Activities not covered above											
This section covers SWD program activities which are not specifically called out	in the three a	acceleration p	proposals outli	ned above.							
Disposition the legacy inventory of wastes of all types											
a. Complete the disposition of the legacy waste volume of low-level waste.	9/30/06				9/30/06						
b. Complete the disposition of the legacy waste volume of untreated mixed waste .	9/30/06				9/30/06						
<ul> <li>c. Complete the disposition of the legacy waste volume of treated mixed waste .</li> </ul>	9/30/06				9/30/06						

#### RESPONSIBILITY ASSIGNMENT MATRIX (RAM)

SCOPE	Aggressive Target Cleanup Date				•	Target Clea	anup Date	
Key Milestones, Decisions, Deliverables	WSRC	DOE-SR	DOE-HQ	Others	WSRC	DOE-SR	DOE-HQ	Others
<ul> <li>d. Complete the disposition of the legacy waste volume of hazardous waste .</li> </ul>	9/30/06				9/30/06			
Reach steady state operation with newly-generated wastes of all types.								
<ul> <li>Reach steady-state operation in the treatment of newly generated low-level, mixed and hazardous wastes such that wastes are treated and disposed as they are generated.</li> </ul>	9/30/06				9/30/06			

#### **ENVIRONMENTAL RESTORATION SCOPE**

#### REM-1: Accelerate Closure of the Old Radioactive Waste Burial Ground

This initiative prioritizes the reduction of risk by consolidating, integrating, and accelerating the remediation of five high risk SRS-Environmental Restoration (ER) waste sites. The improved end state is achieved by excavating 35,000 cubic yards of contaminated soil and consolidating and materials from four nearby waste units onto the Old Radioactive Waste Burial Ground (ORWBG). The excavated sites will be backfilled with clean soil and protected by a simple soil cover and institutional controls while any residual radioactivity decays. A low permeability cap will be constructed over the ORWBG, including the consolidated soils from the other waste units, and protected by institutional controls. This action will leave 600,000 curies of INEEL Pit-9-like waste in place that will avoid an additional cost of \$150 million for alternative disposal. Implementation and completion of the initiative will require four primary steps to complete: Regulatory Process, Design, Construction, and Post Construction. The data as shown are planning dates and may vary slightly from the enforceable implementation schedules as approved in the applicable Federal Facilities Agreement appendixes.

<ol> <li>Regulatory Process (* Core team is composed of DOE, USEPA, and</li> </ol>			Core			Core
SCDHEC decision makers).			Team*			Team*
<ul> <li>a. Approve the Record of Decision (ROD) for the closure of the waste units.</li> </ul>			12/31/02			12/31/02
<ul> <li>b. Approve the Remedial Action Implementation Plan (RAIP) for the closure of the waste units.</li> </ul>			3/6/04			3/6/04
2. Design.						
<ul> <li>a. Complete Preliminary Design of Remedy.</li> </ul>	3/28/03			3/28/03		
<ul> <li>b. Complete Final Design of Remedy.</li> </ul>	9/26/03			9/26/03		
3. Construction						
a. Remedial Action start.	3/29/04			3/29/04		
<ul> <li>b. Complete consolidation of soils and materials.</li> </ul>	6/25/07			6/25/07		
c. Construction complete.	4/25/08			4/25/08		
4. Post Construction						
<ul> <li>a. Submit Post Construction Report following construction complete</li> </ul>	7/25/08			7/25/08		
of the action.						

## RESPONSIBILITY ASSIGNMENT MATRIX (RAM)

SCOPE	Aggr	essive Tar	get Cleanup	Date	Target Cleanup Date			
Key Milestones, Decisions, Deliverables	WSRC	DOE-SR	DOE-HQ	Others	WSRC	DOE-SR	DOE-HQ	Others
REM-2: Accelerate Contaminant Reduction in Fourmile Br	anch Strea	am						
his initiative achieves substantial risk reduction in Fourmile Branch by 2007. T	here are cur	rently exceed	ances in the s	tream for gros	ss alpha [i.e.	uranium], col	balt, iodine-12	29,
adium-226, strontium-90, vanadium and tritium from groundwater discharges a	ssociated wit	h the Mixed V	/aste Manage	ment Facility	(MWMF) and	the F- and H	-Area Hazard	lous
Vaste Management Facilities. The proposed technologies for this initiative are	base injection	on and phytor	emediation wit	th spray irriga	tion. The da	ta shown are	planning date	s and
nay vary slightly from the enforceable implementation schedules per the approv	ved RCRA Co	orrective Action	n Plan.				_	
1. Base Injection				SCDHEC				SCDHE
<ul> <li>a. Initiate pilot scale test south of the F-Area Seepage Basins to determine feasibility of full-scale operations.</li> </ul>	9/23/02				9/23/02			
b. Receive SCDHEC approval of the Corrective Action Plans.				10/1/02				10/1/0
<ul> <li>c. Submit full-scale base injection system design to SCDHEC.</li> </ul>	4/1/03				4/1/03			
d. Initiate full-scale base injection operations.	10/1/03				10/1/03			
e. Achieve metals reduction in Fourmile Branch Stream.	9/30/07				9/30/07			
2. Phytoremediation with Spray Irrigation								
a. Submit precision groundwater extraction system design to SCDHEC.	4/1/03				4/1/03			
<ul> <li>b. Submit final design of spray irrigation system for F and H Areas to SCDHEC.</li> </ul>	10/1/03				10/1/03			
c. Begin installation of spray irrigation system.	4/1/04				4/1/04			
d. Complete installation of precision groundwater extraction system.	4/1/04				4/1/04			
<ul> <li>e. Submit MWMF expanded phytoremediation system design to SCDHEC.</li> </ul>	2/1/03				2/1/03			
f. Initiate installation of MWMF expanded phytoremediation system.	11/1/03				11/1/03			
g. Reduce tritium flux to Fourmile Branch Stream as measured at	9/30/08				9/30/08			
monitoring station FM-A7U by 70%.								
REM-3: Improved Regulatory Processes Accelerate Risk R his initiative accelerates risk reduction and reduced life cycle cost for the Envir echnologies and streamlined regulatory processes. Aggressive and efficient so arlier than traditional technologies. The data as shown are planning dates and epplicable Federal Facilities Agreement appendices and Resource Conservation	onmental Re ource clean u may vary slig	storation Prog p will achieve ghtly from the	ram's cleanup low-cost mon enforceable ir	o projects to be itoring end standard	ne achieved be	by using innov	ative ades	ocess
pplicable Federal Facilities Agreement appendices and Resource Conservation  1. Dynamic Underground Stripping (DUS) for the removal of 1.0-1.5 million	ii aiiu Recove	T ACL CORRECT	ilive Action pia	1115.	1	T	1	_
pounds of solvent at the Western Sector, M-Basin.								
a. Submit permits to SCDHEC for approval.	9/2/02				9/2/02		-	-
b. Approve permits to SCDMEC for approval.	9/2/02			1/3/03	9/2/02			1/3/0
,, ,	2/2/02			1/3/03	2/2/02			1/3/0
<ul><li>c. Begin DUS construction.</li><li>d. Begin DUS startup.</li></ul>	2/3/03				2/2/03			
a. degin dos startup.	2/3/05				2/5/05			

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SCOPE	Aggre	essive Targ	et Cleanu	p Date	Target Cleanup Date				
Key Milestones, Decisions, Deliverables	WSRC	DOE-SR	DOE-HQ	Others	WSRC	DOE-SR	DOE-HQ	Others	
e. Complete DUS operations (forecast).	2/10/10				2/10/10				
f. Complete post operations sampling.	9/12/12				9/7/12				
2. Enhanced Bioremediation (Microenfractionation) of 5,000 cubic yards of				Core				Core	
contaminated soils at the Chemicals, Metals, and Pesticides (CMP) Pits.				Team				Team	
<ul> <li>a. Submit Interim ROD revision to SCDHEC/EPA</li> </ul>	1/3/03				1/2/03				
<ul> <li>b. Approve Interim ROD revision.</li> </ul>				5/2/03				5/2/03	
<ul> <li>c. Submit Remedial Action Implementation Plan to Regulators.</li> </ul>	3/3/04				3/3/04				
d. Approve Implementation Plan.				9/3/04				9/3/04	
e. Begin field activities.	11/3/04				11/3/04				
f. Complete Enhanced Bioremediation.	11/4/05				1/4/05				
Balance of high-risk projects .									
CERCLA Projects:				Core				Core	
a. Submit Appendix D/E Implementation Schedules to EPA/SCDHEC	11/2/02				11/2/02				
(annually thereafter).									
b. Approve Appendix D/E Implementation Schedules (annually)				1/3/03				1/3/03	
RCRA Projects:				SCDHEC				SCDHEC	
<ul> <li>a. Approve Corrective Action Plans approximately six months after</li> </ul>	As needed			As needed	As needed			As needed	
WSRC submittal of Corrective Action Plans.									
General ER Program									
These initiatives complete necessary completion/closure actions not specially ca	alled out in RE	EM-1, REM-2	and REM-3,	which follow.					
Last High-Level Waste Tank closed; begin remediation.	9/30/20				9/30/25				
Approve final waste site (Tank Farm Groundwater & Watershed) Record	0.00.00								
of Decision.			9/30/22				9/30/27		
Final remedy construction turned over to Long Term Stewardship	9/30/26		0.00.		9/30/30				
FACILI	TIES DISPO	OSITION S	COPE						
DD-1: Accelerate Facilities Disposition									
· ·									
This initiative accomplishes the demolition of currently inactive facilities outside									
with a footprint of approximately 567,000 square feet, located in the T, D and M									
located in a remote area near the Savannah River, and M Area is located in close							s no		
planned reuse reduces the inherent risk to site workers, the public and the envir	onment, as w	ell as reducin	g the life-cyc	le cost by up t	o \$945 millior	າ.	_	_	
1. Planning									
Submit proposed site specific release criteria and Multi Agency									
Radiation Survey and Site Investigation Manual (MARSSIM - DOE,	9/30/03				9/30/03				
DOD, NRC, & EPA) sampling protocol to DOE for approval									

SCOPE	Aggr	essive Targ	get Cleanup	Date	Target Cleanup Date			
Key Milestones, Decisions, Deliverables	WSRC	DOE-SR	DOE-HQ	Others	WSRC	DOE-SR	DOE-HQ	Others
<ul> <li>b. Approve proposed site specific release criteria and MARSSIM sampling protocol.</li> </ul>			4/1/04				4/1/04	
<ul> <li>c. Revise SRS 1C Facilities Disposition Manual to include requirements in the DOE LCAM Order and the DOE Program and Project Management Manual</li> </ul>	9/30/03				9/30/03			
<ul> <li>d. Publish the technical, cost and schedule baseline for D&amp;R of facilities in the T, D and M Areas</li> </ul>	9/30/03				9/30/03			
2. Execution								
a. Complete D&R activities in T, D and M Areas	9/30/06				9/30/06			
General Facility Disposition Program Activities			<u> </u>			ı	ı	
Shutdown/Transition operating facilities at the end of their mission					Ī			
to the FDD Program. Deactivate and/or Decommission excess								
facilities and maintain the deactivated facilities in safe condition.	9/30/24				9/30/24			
Si	TE SECUF	RITY SCOP	E					
SS-1: Accelerate Required Improvements to General Site Ir	nfrastructu	ıre						
In light of the September 11th terrorist attacks on our country, proposed improve	ements to se	curity facilities	have been id	entified. The	required impr	ovements inc	lude	
improving site perimeter barricades, upgrade or replacement of Entry Control Fa								
existing physical security system infrastructure are also needed to continue sup	porting curre	nt and propos	ed site missio	ns, including	missions des	cribed in MM-	1 and MM-3.	
Security System Infrastructure Restoration.								
Correct existing physical security system shortcomings due to equipment								
obsolescence, and provide technology improvements that would minimize								
Protective Force and maintenance staffing:								
a. Authorize General Site Security Infrastructure Projects.			10/1/03				10/1/03	
b. Complete Local Area Network (LAN) Upgrades.	9/30/04				9/30/04			
c. Complete Wide Area Network (WAN) Upgrades.	9/30/05				9/30/05	-	-	
d. Complete Access Control Device Replacement.	9/30/06				9/30/06	-	-	
e. Complete Alarm Multiplexer Control System Replacement.	9/30/06				9/30/06 9/30/07			
f. Complete Host Computer Replacement.	9/30/07 9/30/08				9/30/07			
g. Complete Closed Circuit Television (CCTV) Replacement.	9/30/08				9/30/08			

SCOPE	Aggressive Target Cleanup Date				Target Cleanup Date			
Key Milestones, Decisions, Deliverables	WSRC	DOE-SR	DOE-HQ	Others	WSRC	DOE-SR	DOE-HQ	Others
2. Improve Access Control and Searches.								
Site security is effected primarily by vehicular inspection, personnel								
<ul> <li>a. Authorize Access Control and Searches Project</li> </ul>	10/1/03				10/1/03			
b. Complete Upgrade Perimeter Barricades	9/30/08				9/30/08			
c. Complete Renovation of Entry Control Facilities	9/30/08				9/30/08			
SS-2(C): Centralize Alarm Service at SRS								
The Savannah River Site has the only Underwriters Laboratory (UL) listed Cent	ral Alarm Sta	tion in the Fed	deral Governn	nent, and has	sufficient ca	pacity to prom	ote remote m	onitoring
of fire, commercial security, and process alarms from across the DOE Complex	utilizing com	mercial techn	ology 24 hour	s a day, seve	n days a wee	ek (24/7).		_
Security System Infrastructure Restoration.								
a. Assure incoming telephone infrastructure redundancy to negate a	9/1/02				9/1/02			
single point failure from affecting receipt of signal from DOE								
Complex.								
b. Provide regular performance metrics on cost per panel to provide	9/30/02				9/30/02			
alarm service to DOE Complex based upon SRS Baseline of								
\$5,700 per year. c. Develop package for distribution by EM-1, DP-1, NN-1 to DOE	12/1/02				12/1/02			
Complex on the cost savings initiative to Centralize Alarm Service	12/1/02				12/1/02			
at SRS. Package is to include request for information on number								
and types of existing panels utilizing central station service which								
can be reprogrammed to utilize SRS's capability, planned alarm								
panel modifications that can utilize the service, and infrastructure								
upgrades planned or underway.								
d. EM-1 response and direction.			1/31/03				1/31/03	
e. DP-1 response and direction.			1/31/03				1/31/03	
f. NN-1 response and direction.			1/31/03				1/31/03	
The following milestones apply only to the extent that use of SRS								
system cabablity is authorized:								
<ul> <li>g. Implement capability to immediately receive signals from</li> </ul>	2/1/03				2/1/03			
reprogramming of existing alarm panels.								
h. Develop the Central Alarm System description and usage	3/1/03				3/1/03			
guidance documents for DOE Complex use and implementation.			111100				111100	
i. Issue DOE-HQ guidance document on utilization of Centralized			4/1/03				4/1/03	
Alarm Service at SRS to DOE Field Offices.								

SCOPE	Aggre	essive Targ	get Cleanup	Date	Target Cleanup Date			
Key Milestones, Decisions, Deliverables	WSRC	DOE-SR	DOE-HQ	Others	WSRC	DOE-SR	DOE-HQ	Others
BUSINESS M	<b>MANAGEM</b>	ENT REQU	IREMENTS	1				
Develop and execute a business strategy consistent with an accelerated, risk-ba	ased cleanup	and closure r	nission.					
DOE/WSRC Contract Actions     a. Establish a corporate executive strategy team structure that disseminates information and integrates a corporate executive Board of Trustees to foster key decision-making, breakdown barriers, and capitalize on opportunities.			10/1/02				10/1/02	
<ul> <li>Annually provide the appropriate Federal resources required to implement the PMP.</li> </ul>			Starting 10/01/02				Starting 10/01/02	
<ul> <li>c. Approve Contract Strategy and modifications consistent with PMP objectives.</li> </ul>		8/31/02	8/31/02			8/31/02	8/31/02	
<ul> <li>d. Renegotiate contract PBIs and incentives with emphasis on risk reduction, focused on performance and end points.</li> </ul>	9/30/02	9/30/02			9/30/02	9/30/02		
e. Develop an Accelerated Cleanup Integrated Lifecycle Baseline (verified using the SRS process developed for the current baseline) that supports the accelerated risk reduction and cleanup	10/1/02	10/1/02			10/1/02	10/1/02		
f. Establish change control management of the Accelerated Cleanup Integrated Lifecycle Baseline.	10/1/02	10/1/02	10/1/02		10/1/02	10/1/02	10/1/02	
2. Business Management Practices	<b>=</b> /0.0/0.0				= 10.0 10.0			
<ul><li>a. Prepare and Issue the EM Program PMP.</li><li>b. Approve the EM Program PMP.</li></ul>	7/30/02	8/1/02	8/1/02		7/30/02	8/1/02	8/1/02	
c. Publish a Project Annual Report.	Annually Jan 31	0/1/02	0/1/02		Annually Jan 31	0/1/02	0/1/02	
<ul> <li>d. Prepare Quarterly Project Progress Reports and Conduct Performance Reviews.</li> </ul>	Quarterly				Quarterly			
Site Support Activities     a. Provide standard General and Administrative (G&A) support services to the ongoing site operations.	Ongoing				Ongoing			
<ul> <li>b. Provide Essential Site Services (ESS) to the ongoing site operations.</li> </ul>	Ongoing				Ongoing			
4 New B&R Code	_							
a. Send request for new B&R Code to DOE-HQ.		9/30/02						
b. Submit Request to OMB as part of the FY04 President's Budget.			11/30/02					